



# Recombinant Human Prolyl endopeptidase (PREP)

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| <b>Product Code</b>      | CSB-YP018664HU(A4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Uniprot No.</b>       | P48147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sequence</b>          | <p>             MLSLQYPDVY RDETAVQDYH GHKICDPYAW LEDPDSEQTK AFVEAQNKIT<br/>             VPFLEQCPIR GLYKERMTTEL YDYPKYSCHF KKGKRYFYFY NTGLQNQRVL<br/>             YVQDSLEGEA RVFLDPNLS DDGTVALRGY AFSEDGEYFA YGLSASGSDW<br/>             VTIKFMKVVDG AKELPDVLER VKFSCMAWTH DGKGMFYNSY PQQDGKSDGT<br/>             ETSTNLHQKL YYHVLGTDQS EDILCAEFPD EPKWMGGAEL SDDGRYVLLS<br/>             IREGCDPVNR LWYCDLQQES SGIAGILKWV KLIDNFEGEY DYVTNEGTVF<br/>             TFKTNRQSPN YRVINIDFRD PEESKWKVLV PEHEKDVLEW IACVRSNFLV<br/>             LCYLHDVKNL LQLHDLTTGA LLKTFPLDVG SIVGYSGQKK DTEIFYQFTS<br/>             FLSPGIYHC DLTKEELEPR VFREVTVKGI DASDYQTVQI FYPSKDGTKI<br/>             PMFIVHKKGI KLDGSHPAFL YGYGGFNISI TPNYSVSRLI FVRHMGGILA<br/>             VANIRGGGEY GETWHKGGIL ANKQNCFDDF QCAAAYLIKE GYTSPKRLTI<br/>             NGGSNGGLLV AACANQRPDL FGCVIAQVGV MDMLKFHKYT IGHAWTTDYG<br/>             CSDSKQHFEW LVKYSPLHNV KLPEADDIQY PSMALLTADH DDRVVPLHSL<br/>             KFIATLQYIV GRSRKQSNPL LIHVDTKAGH GAGKPTAKVI EEVSDMFAFI<br/>             ARCLNVDWIP           </p> |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Names</b>      | PREP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Names</b>     | Recommended name: Prolyl endopeptidase Short name= PE EC= 3.4.21.26<br>Alternative name(s): Post-proline cleaving enzyme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Expression Region</b> | 1-710                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Length</b>    | Full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Details</b>    | This protein is a cytosolic prolyl endopeptidase that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Prolyl endopeptidases have been reported to be involved in the maturation and degradation of peptide hormones and neuropeptides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.