



Recombinant Escherichia coli O45:K1 Xaa-Pro dipeptidase (pepQ)

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| Product Code | CSB-EP017784EOK |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | B7MHD2 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli O45:K1 (strain S88 / ExPEC) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MESLASLYKN HIATLQERTR DALARFKLDA LLIHSGELFN VFLDDHPYPF KVNPQFKAWV PVTQVPNCWL LVDGVNPKPL WFYLPVDYWH NVEPLNSFW TEDVEVIALP KADGIGSLLP AARGNIGYIG PVPERALQLG IEASNINPKG VIDYLHYYRS FKTEYELACM REAQKMAVNG HRAAEEAFRS GMSEFDINIA YLTATGHRDT DVPYSNIVAL NEHA AVLHYT KLDHQAPEEM RSFLLDAGAE YNGYAADLTR TWSAKSDNDY AQLVKDVNDE QLALIATMKA GVS YVDYHIQ FHQRIAKLLR KHQIITDMSE EAMVENDLTG PFMPHGIGHP LGLQVHDVAG FMQDDSGTHL AAPAKYPYLR CTRLQPGMV LTIEPGIYFI ESLLAPWREG QFSKHFNWQK IEALKPFGGI RIEDNVVIHE NNVENMTRDL KLA |
| Source | E.coli |
| Target Names | pepQ |
| Protein Names | Recommended name: Xaa-Pro dipeptidase Short name= X-Pro dipeptidase EC= 3.4.13.9 Alternative name(s): Imidodipeptidase Proline dipeptidase Short name= Prolidase |
| Expression Region | 1-443 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Reconstitution | 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. |