



# Recombinant Human Paired box protein Pax-2 (PAX2)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP017488HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | Q02962  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MDMHCKADPF SAMHPGHGGV NQLGGVFNQ RPLPDVVRQR<br>IVELAHQGV R PCDISRQLRV SHGCVSKILG RYYETGSIKP GVIGGSKPKV<br>ATPKVVDKIA EYKRQNPTMF AWEIRDRLLA EGICDNDTVP SVSSINRIIR<br>TKVQQPFHPT PDGAGTG VTA PGHTIVPSTA SPPVSSASND PVGYSYINGI<br>LGIPRSNGEK RKRDEVEVYT DPAHIRGGGG LHLVWTLRDV SEGSPVNGDS<br>QSGVDSL RKH LRADTFTQQQ LEALDRVFER PSYPDVFQAS EHIKSEQGNE<br>YSLPALTPGL DEVKSSLSAS TNPELGSNVS GTQYTPVVTG RDMASTTLPG<br>YPPHVPTGQ GSYPTSTLAG MVPGSEFSGN PYSHPQYTAY NEAWRFSNPA<br>LLSSPYYYSA APRGSAPAAA AAAYDRH |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | PAX2  |
| <b>Protein Names</b>     | Recommended name: Paired box protein Pax-2  |
| <b>Expression Region</b> | 1-417   |
| <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>    | PAX2 encodes paired box gene 2, one of many human homologues of the Drosophila melanogaster gene prd. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants.       |
| <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.   |
| <b>Shelf Life</b>        | 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.