Recombinant Human Paired box protein Pax-2 (PAX2)

Product Code	CSB-YP017488HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q02962
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDMHCKADPF SAMHPGHGGV NQLGGVFVNG RPLPDVVRQR IVELAHQGVR PCDISRQLRV SHGCVSKILG RYYETGSIKP GVIGGSKPKV ATPKVVDKIA EYKRQNPTMF AWEIRDRLLA EGICDNDTVP SVSSINRIIR TKVQQPFHPT PDGAGTGVTA PGHTIVPSTA SPPVSSASND PVGSYSINGI LGIPRSNGEK RKRDEVEVYT DPAHIRGGGG LHLVWTLRDV SEGSVPNGDS QSGVDSLRKH LRADTFTQQQ LEALDRVFER PSYPDVFQAS EHIKSEQGNE YSLPALTPGL DEVKSSLSAS TNPELGSNVS GTQTYPVVTG RDMASTTLPG YPPHVPPTGQ GSYPTSTLAG MVPGSEFSGN PYSHPQYTAY NEAWRFSNPA LLSSPYYYSA APRGSAPAAA AAAYDRH
Source	Yeast
Target Names	PAX2
Protein Names	Recommended name: Paired box protein Pax-2
Expression Region	1-417
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
Target Details	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 supression by the tumor supressor 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.
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.