Recombinant Human Porphobilinogen deaminase (HMBS)

Product Code	CSB-MP010524HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08397
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SGNGNAAAT AEENSPKMRV IRVGTRKSQL ARIQTDSVVA TLKASYPGLQ FEIIAMSTTG DKILDTALSK IGEKSLFTKE LEHALEKNEV DLVVHSLKDL PTVLPPGFTI GAICKRENPH DAVVFHPKFV GKTLETLPEK SVVGTSSLRR AAQLQRKFPH LEFRSIRGNL NTRLRKLDEQ QEFSAIILAT AGLQRMGWHN RVGQILHPEE CMYAVGQGAL GVEVRAKDQD ILDLVGVLHD PETLLRCIAE RAFLRHLEGG CSVPVAVHTA MKDGQLYLTG GVWSLDGSDS IQETMQATIH VPAQHEDGPE DDPQLVGITA RNIPRGPQLA AQNLGISLAN LLLSKGAKNI LDVARQLNDA H
Source	Mammalian cell
Target Names	HMBS
Protein Names	Recommended name: Porphobilinogen deaminase Short name= PBG-D EC= 2.5.1.61 Alternative name(s): Hydroxymethylbilane synthase Short name= HMBS Pre-uroporphyrinogen synthase
Expression Region	2-361
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 of Mature Protein
Target Details	This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described.
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.