



# Recombinant Human Porphobilinogen deaminase (HMBS)

<b>Product Code</b>	CSB-EP010524HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08397
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SGNGNAAAT AEENSPKMRV IRVGTRKSQL ARIQTDSVVA TLKASYPLGQ FEIIAMSTTG DKILDOTALSK IGEKSLFTKE LEHALEKNEV DLVVHSLKDL PTVLPPGFTI GAICKRENPH DAVVFHPKFV GKTLETLPK SVVGTSSLRR AAQLQRKFPH LEFRSIRGNL NTRLRKLDEQ QEFSAILAT AGLQRMGWHN RVGQILHPEE CMYAVGQGAL GVEVRAKDQD ILDLVGVLDH PETLLRCIAE RAFLRHLEGG CSVPVAVHTA MKDGGQLYLTG GVWSLDGSDS IQETMQATIH VPAQHEDGPE DDPQLVGITA RNIPRGPQLA AQNLGISLAN LLSKGAJNI LDVARQLNDA H
<b>Source</b>	E.coli
<b>Target Names</b>	HMBS
<b>Protein Names</b>	Recommended name: Porphobilinogen deaminase Short name= PBG-D EC= 2.5.1.61 Alternative name(s): Hydroxymethylbilane synthase Short name= HMBS Pre-uroporphyrinogen synthase
<b>Expression Region</b>	2-361
<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 of Mature Protein
<b>Target Details</b>	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.
<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.