

Product datasheet for **TP726950**

HMBS Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Porphobilinogen Deaminase/HMBS/PBGD (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser2-His361
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Porphobilinogen Deaminase is produced by our Mammalian expression system and the target gene encoding Ser2-His361 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	3145
UniProt ID:	P08397
Summary:	Porphobilinogen Deaminase (HMBS) is a member of the HMBS family. PBGD is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. HMBS is involved in the production of heme, which is important for all of the body's organs, although it is most abundant in the blood, bone marrow, and liver. In addition, Heme is an essential component of iron-containing proteins called hemoproteins, including hemoglobin. Defects in PBGD are the cause of acute intermittent porphyria.



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