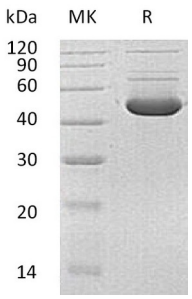
Product Name: Recombinant Human HMBS (C-6His)
Catalog #: PHH0797

Summary

Name	HMBS/Porphobilinogen deaminase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P08397
Host	Human Cells
Species	Human
Predicted Molecular Mass	40.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 5% mannitol, 50% Glycerol, 0.1% Tween80, pH7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Porphobilinogen Deaminase; PBG-D; Hydroxymethylbilane Synthase; HMBS; Pre-Uroporphyrinogen Synthase; HMBS; PBGD; UPS
Background	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 bodys 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.

Note

For Research Use Only , Not for Diagnostic Use.