

Product datasheet for PH312662

HMBS (NM_001024382) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMBS MS Standard C13 and N15-labeled recombinant protein (NP_001019553)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212662
Predicted MW:	37.5 kDa
Protein Sequence:	>RC212662 representing NM_001024382 Red=Cloning site Green=Tags(s) MRVIRVGTRKSQLARIQTDSVVATLKASYPGLQFEIIAMSTTGDKILDTALSKIGEKSFLTKELEHALEK NEVDLVVHSLKDLPTVLPPGFTIGAICKRENPHDAVVFHPKFVGTKLETLPKESVVGTSLLRRAAQLQRK FPHLEFRSIRGNLNTRLRKLDEQQEFSAILATAGLQRMGWHNRVQGILHPEECMYAVGQALGVEVRAK DQDILDLVGVLDHPETLLRCIAERAFLRHLEGGCSVPVAVHTAMKDGQLYLTGGVWSLDGSDSIQETMQA TIHVPAQHEDGPEDDPQLVGITARNIPRGPQLAAQNLGISLANLLL SKGAKNILDVARQLNDAH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001019553</u>
RefSeq Size:	1428
RefSeq ORF:	1032
Synonyms:	PBG-D; PBGD; PORC; UPS
Locus ID:	3145



[View online »](#)

UniProt ID: [P08397](#)

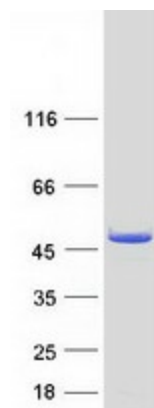
Cytogenetics: 11q23.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Porphyrin and chlorophyll metabolism

Product images:



Coomassie blue staining of purified HMBS protein (Cat# [TP312662]). The protein was produced from HEK293T cells transfected with HMBS cDNA clone (Cat# [RC212662]) using MegaTran 2.0 (Cat# [TT210002]).