

Recombinant Full Length Human HMBS Protein, C-Flag-tagged

Cat. No. HMBS-1374HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HMBS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.1 kDa
AA Sequence	MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDSVVATLKASYPGLQFEIIAMS TTGDKILDTALSK IGEKSLFTKELEHALEKNEVDLVVHSLKDLPTVLPPGFTIGAICKR ENPHDAVVFHPPKFVGKTLETLPK SVVGTSSLRRAAQLQRKFPHLEFRSIRGNLNT RLRKLDEQQEFSAILATAGLQRMGWHNRVGQILHPEE CMYAVGQGALGVEVRK DQDILDVLGVLDHPETLLRCIAERAFLRHLEGGCSVPVAVHTAMKDGQLYLTG GWV SLDGSDSIQETMQATIHVPAQHEDGPEDDPQLVGITARNIPRGPQLAAQNLGISLANL LLSKGAKNI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	LDVARQLNDAHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Porphyrin and chlorophyll metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	HMBS hydroxymethylbilane synthase [Homo sapiens (human)]
Official Symbol	HMBS
Synonyms	UPS; PBGD; PORC; PBG-D
Gene ID	3145
mRNA Refseq	NM_000190.4

 Tel: 1-631-559-9269 1-516-512-3133

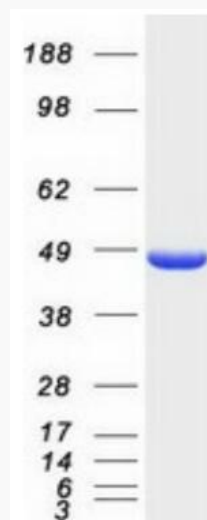
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_000181.2

MIM 609806

UniProt ID P08397



Coomassie blue staining of purified HMBS protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA