

Recombinant Full Length Human HMBS Protein, GST-tagged

Cat. No. HMBS-3636HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HMBS full-length ORF (AAH00520.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	361 amino acids
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. [provided by RefSeq
Molecular Mass	65.45 kDa
AA Sequence	MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDSVVATLKASYPGLQFEIAMS TTGDKIPDTALSKIGEKSFLTKELEHALEKNEVDLVVHSLKDLPTVLPPGFTIGAICKR ENPHDAVVFHPKFVGKTLETLPKSVVGTSSLRRAAQLQRKFPHLEFRSIRGNLNTR LRKLDEQQEFSAILATAGLQRMGWHNRVGQILHPEECMYAVGQGALGVEVRAKDQ DILDLVGVVLHDPETLLRCIAERAFLRHLEGGCSVPVAVHTAMKDGQLYLTGGVWSLD GSDSIQETMQATIHVPAQHEDGPEDDPQLVGITARNIPRGPQLAAQNLGISLANLLLS KGAKNILDVARQLNDAH

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HMBS hydroxymethylbilane synthase [Homo sapiens]
Official Symbol	HMBS
Synonyms	HMBS; hydroxymethylbilane synthase; PBGD, PORC, porphobilinogen deaminase , porphyria, acute; Chester type , UPS, uroporphyrinogen I synthase; porphobilinogen deaminase; uroporphyrinogen I synthase; pre-uroporphyrinogen synthase; uroporphyrinogen I synthetase; porphyria, acute; Chester type; UPS; PBGD; PORC; PBG-D;
Gene ID	3145
mRNA Refseq	NM_000190
Protein Refseq	NP_000181
MIM	609806

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UniProt ID

P08397

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