

Recombinant Full Length Human HMBS Protein

Cat. No. HMBS-237HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HMBS with a proprietary N terminal tag. Predicted MW 65.82kDa
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.
Form	Liquid
Molecular Mass	65.820kDa inclusive of tags
AA Sequence	MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDSVVA TLKASYPGLQFEIIAMS TTGDKIPDTALSKIGEKSFLTKE LEHALEKNEVDLVVHSLKDLPTVLPFGFTIGAICKR ENPH DAVVFHPKFGVKTLETLPKSVVGTSSLRRAAQLQRKFPH LEFRSIRGNLNT RLRKLDEQQEFSAILATAGLQRMGWHN RVGQILHPEECMYAVGQGALGVEVRAK DQDILDVLGVLDH PETLLRCIAERAFLRHLEGGCSVPVAVHTAMKDGQLYLTG GVV

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	SLDGSDSIQETMQATIHVPAQHEDGPEDDPQLVGITA RNIPRGPQLAAQNLGISLAN LLLSKGAKNILDVARQLNDA H
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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
Gene ID	3145
mRNA Refseq	NM_000190
Protein Refseq	NP_000181
MIM	609806
UniProt ID	P08397

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