

Recombinant Human HMBS protein, His-tagged

Cat. No. HMBS-3347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMBS protein(1-361 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-361 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDSVVATLKASYPGLQFEIIAMS TTGDKILDTALSKIGEKSFLTKELEHALEKNEVDLVVHSLKDLPTVLPPGFTIGAICKRE NPHDAVVFHPKFVGKTLETLPKESVVGTSLSRRAAQLQRKFPHEFRSIRGNLNTRL RKLDEQQEFSAILATAGLQRMGWHNRVGQILHPEECMYAVGQGALGVEVRAKDQ DILDLVGVLHDPETLLRCIAERAFLRHLEGGCSVPVAVHTAMKDGQLYLTGGVWSLD GSDSIQETMQATIHVPAQHEDGPEDDPQLVGITARNIPRGPQLAAQNLGISLANLLLS KGAKNILDVARQLNDAH
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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

UniProt ID P08397

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