

Recombinant Human UROS Protein, His-tagged

Cat. No. UROS-622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UROS(Met1-Cys265) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-265 a.a.
Description	Catalyzes cyclization of the linear tetrapyrrole, hydroxymethylbilane, to the macrocyclic uroporphyrinogen III, the branch point for the various sub-pathways leading to the wide diversity of porphyrins. Porphyrins act as cofactors for a multitude of enzymes that perform a variety of processes within the cell such as methionine synthesis (vitamin B12) or oxygen transport (heme).
Form	20mM Tris-HCl, 100mM NaCl, 10% Glycerol, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	29.7 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name UROS uroporphyrinogen III synthase [Homo sapiens]

Official Symbol UROS

Synonyms UROS; uroporphyrinogen III synthase; uroporphyrinogen-III synthase; congenital erythropoietic porphyria; hydroxymethylbilane hydrolyase; uroporphyrinogen-III cosynthase; UROIIIIS;

Gene ID 7390

mRNA Refseq NM_000375

Protein Refseq NP_000366

MIM 606938

UniProt ID P10746

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