

Recombinant Human UROS, His-tagged

Cat. No. UROS-31079TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UROS with an N terminal His tag; 285 amino acids with a predicted MWt 30.7kDa.
Species	Human
Source	E.coli
ProteinLength	265 amino acids
Description	The protein encoded by this gene catalyzes the fourth step of porphyrin biosynthesis in the heme biosynthetic pathway. Defects in this gene cause congenital erythropoietic porphyria (Gunthers disease).
Conjugation	HIS
Molecular Weight	30.700kDa inclusive of tags
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMKVLLLKDAKEDDCGQDPYIRELGLYGLEATLIPVL SFEFLSLPSFSEKLSHPEDYGGIFTSPRAVEAAELCLEQNNKTEVWERSLKEKWNA KSVYVVG NATASLVSKIGLDTEGETCGNAEKLA EYICSRESSALPLLFP CGNLKREIL PKALKDKGIAMESITVYQTV AHPGIQGNLNSYYSQQGV PASITFFSPSGLTYS LKHIQ ELSGDNIDQIKFAAIGPTTARALAAQGLPV SCTAESPTPQALATGIRKALQPHGCC
Sequence Similarities	Belongs to the uroporphyrinogen-III synthase family.
GENE INFORMATION	
Gene Name	UROS uroporphyrinogen III synthase [Homo sapiens]
Official Symbol	UROS
Synonyms	UROS; uroporphyrinogen III synthase; uroporphyrinogen-III synthase; congenital erythropoietic porphyria;
Gene ID	7390
mRNA Refseq	NM_000375
Protein Refseq	NP_000366
MIM	606938
Uniprot ID	P10746

Chromosome Location	10q25.2-q26.3
Pathway	Heme Biosynthesis, organism-specific biosystem; Heme biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of porphyrins, organism-specific biosystem;
Function	cofactor binding; lyase activity; uroporphyrinogen-III synthase activity; uroporphyrinogen-III synthase activity;

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