

Recombinant Human UROS, His-tagged

Cat. No. UROS-31080TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-265 of Human UROS, with N terminal His tag; Predicted MWt 30 kDa.
Species	Human
Source	E.coli
ProteinLength	1-265 a.a.
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
Tissue specificity	Ubiquitous.
Form	Lyophilised:Reconstitute with 148 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	MKVLLLLKDAKEDDCGQDPYIRELGLYGLEATLIPVLSFEF LSLPSFSEKLSHPEDYGG

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acids	LIFTSRAVEAAELCLEQNN KTEVWERSLKEKWNKSVYVVGNATASLVSKIQLDTE G ETCGNAEKLAEYICSRESSALPLLFPCGNLKREILPKA LKDKGIAMESITVYQTVAH PGIQGNLNSYYSQQGVPASIT FFSPSGLTYSLKHIQELSGDNIDQIKFAAIGPTTARAL AAQGLPVSCTAESPTPQALATGIRKALQPHGCC
Sequence Similarities	Belongs to the uroporphyrinogen-III synthase family.
Full Length	Full L.
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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