

Product datasheet for TP503514

Uros (NM_009479) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse uroporphyrinogen III synthase (Uros), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203514 protein sequence Red=Cloning site Green=Tags(s)

MKVLKLLKDAKEDDGLDPYIQLRLCGLEATLIPVLSFEFMSLPSLSEKLSHPEGFGGLIFTSRAVEAV
KLCLEKDNKTEAWEKSLKDRWNAKSVYVGSATASLVNKIGLDAEGAGSGNAEKLAEYICSKPSELPLL
FPCGTIKGDTLPKMLKDKGIPMESMHVYQTVPHPGIQGSLKSYEDQGIPASITFFSPSGLKYSLEYIQA
LSGSSFDQIKFIAIGPSTTRAMAAGLPVSCTAESPTPQALAAGIRNVLKPNHCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033505
Locus ID:	22276
UniProt ID:	P51163 , Q3UG55
RefSeq Size:	1802



[View online »](#)

Cytogenetics: 7 77.26 cM

RefSeq ORF: 798

Synonyms: AI415298; Ur; UROIIS; Uros3

Summary: The protein encoded by this gene is the fourth enzyme in the heme biosynthesis pathway. It converts hydroxymethylbilane to uroporphyrinogen III, a cyclic tetrapyrrole. This enzyme is defective in the autosomal recessive disorder congenital erythropoietic porphyria. Alternate promoter usage controls cell type-specific expression, including erythroid cell-specific expression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]