

## Product datasheet for **TP300385L**

### UROS (NM\_000375) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human uroporphyrinogen III synthase (UROS), 1 mg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC200385 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <br>MKVLLLKDAKEDDCGQDPYIRELGLYGLEATLIPVLSFEFLSLPSFSEKLSHPEDYGGGLIFTSRAVEAA<br>ELCLEQNNKTEVWERSLKEKWNNAKSVYVWGNATASLVSKIGLDTEGETCGNAEKLAEYICRESSALPLL<br>FPCGNLKREILPKALKDKGIAMESITVYQTVAHPIQGNLNSYYSQQGVASITFFSPSGLTYSCLKHIQE<br>LSGDNIDQIKFAAIGPTTARALAAQGLPVSCTAESPTPQALATGIRKALQPHGCC<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 28.4 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   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| 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.  |
| 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:                               | <u><a href="#">NP_000366</a></u>   |
| Locus ID:                             | 7390   |
| UniProt ID:                           | <u><a href="#">P10746</a></u> , <u><a href="#">A0A0S2Z4T8</a></u>  |



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RefSeq Size: 1371

Cytogenetics: 10q26.2

RefSeq ORF: 795

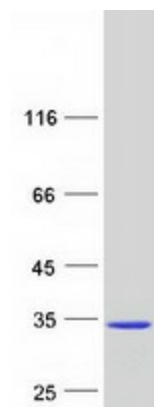
Synonyms: UROIIIIS

**Summary:** 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 (Gunther's disease). [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

### Product images:



Coomassie blue staining of purified UROS protein (Cat# [TP300385]). The protein was produced from HEK293T cells transfected with UROS cDNA clone (Cat# [RC200385]) using MegaTran 2.0 (Cat# [TT210002]).