

Product datasheet for **TP300854M**

URM1 (NM_030914) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human ubiquitin related modifier 1 homolog (<i>S. cerevisiae</i>) (URM1), transcript variant 1, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200854 protein sequence Red =Cloning site Green =Tags(s) |
| | MAAPLSVEVEFGGGAELLFDGIKKHRVTLPGQEPPWDIRNLLIWIKNLLKERPELFIQGDSVRPGILVL INDADWELLGELDYQLQDQDSVLFISTLHGG |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 11.2 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: | NP_112176 |
| Locus ID: | 81605 |
| UniProt ID: | Q9BTM9 , A0A024R8C7 |
| RefSeq Size: | 2650 |



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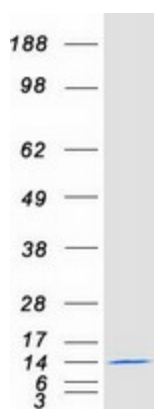
Cytogenetics: 9q34.11

RefSeq ORF: 303

Synonyms: C9orf74

Summary: Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by being thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. Also acts as a ubiquitin-like protein (UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target proteins such as MOCS3, ATPBD3, CTU2, USP15 and CAS. The thiocarboxylated form serves as substrate for conjugation and oxidative stress specifically induces the formation of UBL-protein conjugates.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified URM1 protein (Cat# [TP300854]). The protein was produced from HEK293T cells transfected with URM1 cDNA clone (Cat# [RC200854]) using MegaTran 2.0 (Cat# [TT210002]).