

Product datasheet for **TP300854**

URM1 (NM_030914) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin related modifier 1 homolog (<i>S. cerevisiae</i>) (URM1), transcript variant 1, 20 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:	<u>NP_112176</u>
Locus ID:	81605
UniProt ID:	<u>Q9BTM9</u> , <u>A0A024R8C7</u>
RefSeq Size:	2650



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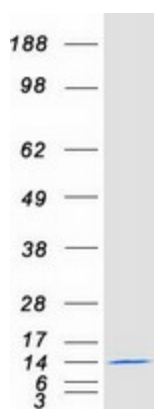
Cytogenetics: 9q34.11

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]).