

## Product datasheet for TP304113

### RNMTL1 (MRM3) (NM\_018146) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RNA methyltransferase like 1 (RNMTL1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204113 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAALVRPSRFVVRPLLQVQAWDLDDARRWVRALRRSPVKVVFPSGEVVEQKRAPGKQPRKAPSEASAQEQ REKQPLEESASRAPSTWEESGLRYDKAYPGDRRLSSVMTIVKSRPFREKQGKILLEGRRLISDALKAGAV PKMFFFSRLEYLKELPVDKLGVS LIKVKFEDIKDWSDLVTPQGIMGIFAKPDHVKMTYPKTQLQHSLPL LLICDNLRDPGNLGTILRSAAGAGCSKVLTKGCVD A WEPKVL RAGMGAHFRMPIINNLEWETVPNYLPP DTRVYVADNCGLYAQAEMSNKASDHGWVCDQRVMKFHKYEEEEEDVETGASQDWLPHVEVQSYSDSWTEAP AAVIGGETYGVSLQLAESTGGKRLIPVVPGVDSLNSAMAASILLFEGKRQLRGRAEDLSRDRSYH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.8 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:	<a href="#">NP_060616</a>
Locus ID:	55178



[View online »](#)

UniProt ID: [Q9HC36](#)

RefSeq Size: 1815

Cytogenetics: 17p13.3

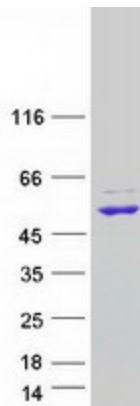
RefSeq ORF: 1260

Synonyms: RMTL1; RNMTL1

**Summary:** Efficient translation of mitochondrial-derived transcripts requires proper assembly of the large subunit of the mitochondrial ribosome. Central to the biogenesis of this large subunit is the A-loop of mitochondrial 16S rRNA, which is modified by three rRNA methyltransferases located near mtDNA nucleoids. The protein encoded by this gene methylates G(1370) of 16S rRNA, and this modification is necessary for proper ribosomal large subunit assembly. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

**Protein Families:** Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified MRM3 protein (Cat# TP304113). The protein was produced from HEK293T cells transfected with MRM3 cDNA clone (Cat# [RC204113]) using MegaTran 2.0 (Cat# [TT210002]).