

Product datasheet for TP301499L

TRMT61B (NM_017910) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tRNA methyltransferase 61 homolog B (<i>S. cerevisiae</i>) (TRMT61B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201499 protein sequence Red=Cloning site Green=Tags(s)

MLMAWCRGPVLLCLRQGLGTNSFLHGLGQEPFEGARSLCCRSSPRDLRDGEREHEAAQRKAPGAESCPSL
PLSISDIGTGCLSSLENLRLPTLREESSPRELEDSSGDQGRCGPTHQGSSEDPMSLSQAQSAIEVEERHVS
PSCSTSRERPFQAGELILAETGEGETKFKKLFRLNNGLLNSNWGAVPFGKIVGKFPQGILRSSFGKQYM
LRRPALEDYVFLMKRGTAITFPKINMILSMDINPGDVTLEAGSGSGGMSLFLSKAVGSQGRVISFEVR
KDHHDLAKKNYKHWKRSWKLSHVEEWPNDVDFIHKDISGATEDIKSLTFDAVALDMLNPHVTLPVFYPHL
KHGGVCAVYVNITQVIELLDGIRTCELALSCEKISEVIVRDWLVLAKQKNGILAQKVESKINTDVQLD
SQEKIGVKGELFQEDDHEESHSDFPYGSFPYVARPVHWQPGHTAFLVKLRKVKPQLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.8 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.



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RefSeq: [NP_060380](#)

Locus ID: 55006

UniProt ID: [Q9BVS5](#)

RefSeq Size: 1856

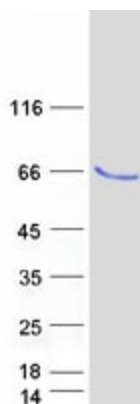
Cytogenetics: 2p23.2

RefSeq ORF: 1431

Summary: Methyltransferase that catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in various tRNAs in mitochondrion, including tRNA(Leu) (deciphering codons UUA or UUG), tRNA(Lys) and tRNA(Ser) (deciphering codons UCA, UCU, UCG or UCC) (PubMed:23097428). Catalyzes the formation of 1-methyladenosine at position 947 of mitochondrial 16S ribosomal RNA and this modification is most likely important for mitoribosomal structure and function (PubMed:27631568). In addition to tRNA N(1)-methyltransferase activity, also acts as a mRNA N(1)-methyltransferase by mediating methylation of adenosine residues at the N(1) position of MT-ND5 mRNA, leading to interfere with mitochondrial translation (PubMed:29107537). [UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TRMT61B protein (Cat# [TP301499]). The protein was produced from HEK293T cells transfected with TRMT61B cDNA clone (Cat# [RC201499]) using MegaTran 2.0 (Cat# [TT210002]).