

Product datasheet for **TP301499**

TRMT61B (NM_017910) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tRNA methyltransferase 61 homolog B (*S. cerevisiae*) (TRMT61B), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201499 protein sequence
Red=Cloning site **Green**=Tags(s)

MLMAWCRGPVLLCLRQGLGTNSFLHGLGQEPFEGARSLCCRSSPRDLRDGEREHEAAQRKAPGAESCPSL
PLSISDIGTGCLSSLENLRLPTLREESSPRELEDSSGDQGRCGPTHQGSSEDPMSLSQAQSAIEVEERHVS
PSCSTSRERPFQAGELILAETGEGETKFKKLFRLNNGLLNSNWGAVPFGKIVGKFPQGILRSSFGKQYM
LRRPALEDYVWLMKRGTAITFPKINMILSMDINPGDVTLEAGSGSGGMSLFLSKAVGSQGRVISFEVR
KDHHDLAKKNYKHWKSWKLSHVEEWPNDVDFIHKDISGATEDIKSLTFDAVALDMLNPHVTLPVFYPHL
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.



[View online >](#)

RefSeq: [NP_060380](#)

Locus ID: 55006

UniProt ID: [Q9BVS5](#)

RefSeq Size: 1856

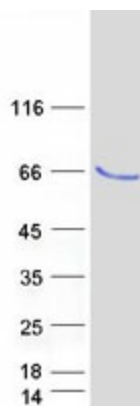
Cytogenetics: 2p23.2

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]).