

Product datasheet for PH301499

TRMT61B (NM_017910) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TRMT61B MS Standard C13 and N15-labeled recombinant protein (NP_060380)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201499
Predicted MW:	53 kDa
Protein Sequence:	>RC201499 protein sequence Red=Cloning site Green=Tags(s)

MLMAWCRGPVLLCLRQGLGTNSFLHGLGQEPFEGARSLCCRSSPRDLRDGEREHEAAQRKAPGAESCPSL
PLSISDITGTGCLSSLENLRLPTLREESSPRELEDSSGDQGRCPHQGSEDPMSLSQAQSAIEVEERHVS
PSCSTSRERPFQAGELILAETGEGETKFKKLFRLNNFGLLNSNWGAVPFGKIVGKFPQGILRSSFGKQYM
LRRPALEDYVVLTKRGTAITFPKIDINMILSMMDINPGDVTLEAGSGSGGMSLFLSKAVGSQGRVISFEVR
KDHHDLAKKNYKHWKSWKLSHVEEWPDNVDFIHKDISGATEDIKSLTFDAVALDMLNPHVTLVPFYPHL
KHGGVCAVYVNVITQVIELLDGIRTCELALSCEKISEVIVRDWLVCLAKQKNGILAQKVESKINTDVQLD
SQEKIGVKGELFQEDDHEESHDFPYGSFPYVARPVHWQPGHTAFLVKLRKVKPQLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060380</u>
RefSeq Size:	1856
RefSeq ORF:	1431
Locus ID:	55006



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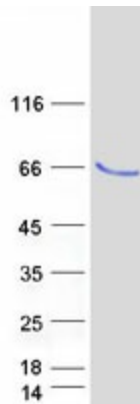
UniProt ID: [Q9BVS5](#)

Cytogenetics: 2p23.2

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]).