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Product datasheet for SC205251

TRMT61B (NM_017910) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	TRMT61B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017910
Insert Size:	408 bp
Insert Sequence:	>SC205251 3'UTR clone of NM_017910 The sequence shown below is from the reference sequence of NM_017910. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TTGAGGAAGGTCAAACCACAACTTAACTGAGTACTCCAGATGACAGTAACTGACTTGAAGATGGAAAAA TATCAAAATAGAACTTTATATTGAAAATCACTGCTTCCATAGATTGGCATTTTTAGCTATTACTATGAC TTATATAACTTATACATATAATTTTGAAAATAACAACTAAAAGATGTATAACATAGCAAAACTGCTTAA ACATCCCATTTTGACACTTGTCTTGCAGTTAGTTTGACATTTTGTAGTTAATGATTCCAAATTGGTTTA GTTGGGCCATCTCATTCTTCACTTCCTGTAAACCACTCCATAGATTTGTCTTTCTTCAAGAAATTAGTT TTCTTTCCTTTATTTGATTGATGGTCATTGACTACTGAAATAAAATATGCATTTTAAGATAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_017910.4

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]

Locus ID: 55006

MW: 15.9