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Product datasheet for SC206010

RNMTL1 (MRM3) (NM_018146) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	RNMTL1
Synonyms:	RMTL1; RNMTL1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018146
Insert Size:	470 bp
Insert Sequence:	>SC206010 3'UTR clone of NM_018146 The sequence shown below is from the reference sequence of NM_018146. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GACTTGAGCAGGGACAGGAGTTACCACTGAGGACGCAGAAGTGACTTCTGCTTGAGGACGTCTGCAGCT CCTCCTACACCAGCACACTGGTGGGAGGCTGGCGGAGTCAGTGACTATGGCCCCCACGTTCAGGAGGAA GGTGTGATGCCGTCATACAGTTACAGGAAAAATAAGAACTTCCTCAGAAAGAACAGGTCCGAATTCTTC CTGTCGCGTCACTGATTTTGAGGTTCTTTTTTCTCTTGGTGACAATAGGTGACCCACGTGGCTCTGTGT GTTTTTAAAAATTGTCCACCAAGAAGCACTTTGTGCCCAGAAAGTTCCTGAAGCATCATCCTGGCAGGG AGGCGCCTGCTCCACCAGCTGGTGGGTGTTTGTAATCGCCAAGCACCAGCTATAGGTCACAGCCACATC ACTCACAGCTGATCACTGGTTGGTGGAAAATAAACTATGAGCAGCAGATTACGTTA 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).

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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_018146.4

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 subnit assembly. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

Locus ID: 55178

MW: 17.7