

Product datasheet for SC113972

RG9MTD1 (TRMT10C) (NM_017819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RG9MTD1 (TRMT10C) (NM_017819) Human Untagged Clone
Tag:	Tag Free
Symbol:	RG9MTD1
Synonyms:	COXPD30; HNYA; MRPP1; RG9MTD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113972 sequence for NM_017819 edited (data generated by NextGen Sequencing)

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ATGGCTGCTTTCTCAAATGAGTGTTAGTGTCAATTTCTCAGACCTTTACCAGGTTT
TTGGTGCCATTTACCCTTCATAGGAAGAGAAATAACTTAACAATTTTGCAGAGATACATG
TCTTCCAAAATACCAGCTGTTACTTATCCTAAAAATGAGAGTACACCCCTTCTGAAGAG
CTAGAGTTGGATAAGTGGAAAACACCATGAAATCTAGTGTGCAAGAAGAATGTGTTTCA
ACAATCTCAAGCAGTAAGGATGAAGATCCTCTAGCTGCCACCAGAGAGTTCATTGAGATG
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AAAGTAAAAAAGCTAGGCAAATAAAAAAGGAAATGAAAGCAGCAGCAAGGGAAGAAGCA
AAAAATATCAAGCTGCTAGAAACCACTGAGGAAGATAAACAGAAAACTTTCTATTTTTA
CGACTTTGGGATAGGAATATGGACATAGCAATGGGCTGGAAGGGTGCCACAGCCATGCAG
TTTGGACAACCTTTGGTTTTTGACATGGCTTACGAAAATTATATGAAACGAAAAGAATTG
CAGAATACTGTTTCCCAGCTTTTAGAAAGTGAAGGATGGAACAGAAAGAAATGTTGATCCT
TTCCATATTTATTTCTGCAATCTAAAAATAGATGGTGCTTTGCACAGAGAGTTAGTTAAA
CGGTATCAAGAAAAATGGGACAAATTGCTTTTAAACATCAACAGAAAAAGTCTCATGTAGAT
TTATTTCCAAAGGACAGTATTATCTATTTAACTGCAGATTCTCCCAATGTTATGACTACT
TTCAGGCATGACAAAGTTTATGTAATTGGGCTTTTTGTTGATAAGAGTATGCAGCCAGGC
ACATCCCAGCCAAGGCAAAAACGGCTGAACCTGGCAACTGAATGCCTTCCATTAGATAAA
TATTTACAATGGGAAATTGGTAACAAAAATCTCACCTTAGATCAAATGATACGTATTTTG
TTATGTCTGAAAAACAATGGTAATTGGCAAGAGGCTCTGCAATTCGTTCCCAAGAGAAAA
CATACTGGTTTTCTGGAGATTTCTCAGCATTCTCAAGAGTTTATCAACAGACTAAAGAAG
GCAAAGACTTAA

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Clone variation with respect to NM_017819.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017819 unedited</p> <pre> NGGTTTAGATTTTGTATACGACTCCTATAGGCGGCCGCGCATTTCGGCACGAGGGCGGATC CCTGGGCGTCCGTACGTCGGAGTCCTTCGTCTCCGGGTCCCTGTTCTTTGCGCCAGCGG GAACCACTATCTCTGCACTCCTGGGGTTTTGTTACATGGCTGCTTTCCTCAAATGAGTG TTAGTGTCAATTTCTTCAGACCTTTCACCAGGTTTTGGTGCCATTTACCCTTCATAGGA AGAGAAAATAACTTAACAATTTTGCAGAGATACATGTCTTCAAAAATACCAGCTGTTACTT ATCCTAAAAATGAGAGTACACCCCTTCTGAAGAGCTAGAGTTGGATAAGTGAAAACTA CCATGAAATCTAGTGTGCAAGAAGAATGTGTTTCAACAATCTCAAGCAGTAAGGATGAAG ATCCTCTAGCTGCCACCGAGAGTTCATTGAGATGTGGAGATTGCTTGGCAGAGAAGTAC CAGAACACATCACTGAAGAAGAGCTCAAAACCCTTATGGAATGTGTTTCTAACACAGCAA AAAAAAAATATTTAAAATATTTATATACGAAGGAAAAAGTAAAAAAGCTAGGCAAATAA AAAAGGAAATGAAAGCAGCAGCAAGGGAAGAAGCACAAAATATCAAGCTGCTAGAAACCA CTGAGGAAGATAAACAGAAAACTTTCTATTTTTACGACTTTGGGATAGGAATATGGACA TAGCAATGGGCTGNAAGGGTGCCAGGCCATGCAGTTTGGACACCTTTGGTTTTTGACA TGGCTTACGAAAATATATGAAACGAAAAGAATGCAGAATACTGTTTCCCCTTTTAGAAA GTGAAGATGGAACGAAGAATGTGATCCTTCCATATTATTTCTGCATCTAAATAAAC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017819 unedited</p> <pre> TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGGACACTCTTTTTA TTATCTTTCTACAGTAAACAAAGTATAATCCCAAAGTTCTGCAGATATTTAATTGGGAAA AGACACAACCCTACAGTCAGTTGGGAAAGACTACCTTTAGAAGAGAAAAATGAATTGTTT GGGAAGAAATACATTAACAGAACTGTATTTCTAACGCATTTACTTTTTAAGCCATCAAAT GTTCTCATTTGAGCCACGTGTTCTGTGCACATTCAGAGAACCTTTTGAAAATGAATTAAG TCTTTGCCTTCTTAGTCTGTTGATAAACTCTTGAGAATGCTGAGAAATCTCCAGAAAAC CAGTATGTTTTCTTGGGAACGAATTGCAGAGCCTCTTGCCAATTACCATTGTTTTTCA GACATAACAAAATACGTATCATTGATCTAAGGTGAGATTTTTGTTACCAATTTCCCATT GTAAATATTTATCTAATGGAAGGCATTCAGTTGCCAGGTTTCAGCCGTTTTGCCTTGCTA GGGATGTGCCTGGCTGCATACTCTTATAACAAAAGACCAATTCATAAACTTTGTCATGC CTGAAAGTAGTCATAACATTTGGGAGAATCTGCAGTTAATAGATAATACNTGTCCTTTGGA AATAAATCTACATGAGACTTTTTCTNGTTGATGTTAAAAGCAATNTGTCCCATTNTTCT TGATACCCGTTAACTAECTCTCTGTGCAAAGCACCATCTATTTTTTAGATTGCAGAANTA ATATGGAAAAGATCACCATNTCNTCTGGTTCATTCCCTTCACTTTCTAAAGCTGGGAANCA GNNATCTGCANTNCTTTTTCTGTTTCAATATAAAATTTGAAAAGCATGTTCAAACAAAAGGG TGGTCAACTGGATGGCTTGGGCCACCTTNCAGNCATNTGTTTGTNNCATTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017819
Insert Size:	1680 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017819.1](#), [NP_060289.1](#)

RefSeq Size: 1654 bp

RefSeq ORF: 759 bp

Locus ID: 54931

UniProt ID: [Q7L0Y3](#)

Cytogenetics: 3q12.3

Domains: DUF425

Gene Summary: This gene encodes the precursor of a subunit of the mitochondrial ribonuclease P, which is involved in 5' processing of mitochondrial tRNAs. The encoded protein may confer RNA-binding capacity to mitochondrial ribonuclease P and may be essential for transcript processing, RNA modification, translation and mitochondrial respiration. [provided by RefSeq, Nov 2012]