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Product datasheet for MC203508

Trmt61a (NM_177374) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt61a (NM_177374) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trmt61a
Synonyms:	6720458F09Rik; AI606093; Gcd14; Trm61
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC051186
GGTTATGCTGCGTGAGTTTCCGAGCTGGGAGCGGCGCTCCGGGCTTGCTGGCAGGTCCCGTGCTGTTCGG
CGGGAGGCCAGCCTTCCCTGCCGTCGGGAGCCCTCCGTGGAGACTCTGGGCAAGGGGCTACGGGGATTCC
GGGCTCGGAGGTGGCTTCTCTCCCCTGCTGTGCACGCTATCAGAGGCTGCCGCCTTCACACTAGGGGATT
CTGGTTCTTCATGTGTGGGAATCCTTGGGCTCCTGTCGCTGTGCACTCTCTTGTGTACTCCGAGAATAGA
GACCTCCAGAAGGGCTCCATATGTTAGGCTAGAGTGCAGCTCTGTTGGGTTGGCTAAGCAAGTCCGCTAA
CCCTGCTCAGAACCCAGGCCCCACAGACCTCTCTGTCCAGACCACAGATCTTCATCCTGCCTCCTGGTCC
TCTGACCTCACGTCCACACACCACTTCTCCAGGTCCCTGACCCTTGGCAAACGTTAACACCATGAGTTTC
GTGGCATACGAGGAGCTGATCAAGGAAGGCGACACAGCCATCCTGTCACTGGGGCACGGCTCGATGGTAG
CAGTGCGTGTGCAGCGTGGGGCACAGACCCAGACCCGGCATGGCGTCCTGAGGCACTCGGTGGACCTCAT
TGGCCGCCCATTTGGCTCCAAGGTGATTTGCAGCAGAGGCGGCTGGGTGTATGTGCTGCACCCCACTCCT
GAGCTCTGGACAGTGAACCTGCCCCACCGCACGCAGATCCTCTACTCCACCGACATTGCCTTGATCACCA
TGATGCTGGAGCTGCGTCCCGGTTCTGTGGTCTGTGAATCAGGCACGGGCAGTGGTTCTGTATCCCACGC
AATCATCCGCAGCGTTGCCCCCACTGGCCACCTACACACAGTAGAGTTCCACCAGCAACGGGCGGACAAG
GCCCGGGAGGAATTCCAGGAGCATCGGCTGAGCCAGTGGGTGACTGTGCACACCCAGGATGTGTGCTGCA
GTGGCTTCGGTGTGGTCCACGTGGCTGACGCTGTCTTCTTGGATATCCCATCACCCTGGGAAGCTGTGGG
CCATGCCTGGGATGCCCTCAAGGTTGAAGGTGGGCGTTTCTGCTCCTTCTCTCCGTGCATTGAGCAGGTG
CAGCGGACATGCCAGGCGCTGGCAGCCCATGGCTTCACAGAGCTTAGCACCCTGGAGGTACTGCCACAGG
TCTACAATGTGCGCACTGTCAGTCTGCCCTTGCCCGACCTGGGGGCCAACAACTTAGAGACCAACATGGG
CTCTGATGCCAGCCCCTTCCGTAGTGGCACACCCATGAAGGAGACTGTGGGCCACACTGGCTACCTGACT
TTTGCCACTAAAACCCCAGGCTAGCAGGCCTCCAAATGAACAGCACAGGCAAGCAGGCAGGGAGGCCAGA
GGCTGCCTTATATGGTCAGCCACTGCCCTCGTGGCTTGTGTTTAGAAAGAGATGGGGGCGGGGTGGGGCA
GGGGCCTCCTGGGTGGCTGAGGGGGGTGAGTAGGCTGGCCCTGCTCAGCTGGGAGGCATTCCTGTCTTCT
GAGAGGGAAGTCTCCACTTCATCACTGCTCAGCGCAAGCTCTGTCCTGGCTCTTTGTTGTCAACATGAGT
CTTTCCTCTCCATAGTCCTTCCTGGGTTTTGAGACTAAATGGTAAAAGTTGAGGGCGTCGGAAGCTTTGG
GCACTGCCTATAGCCTGGGCTGACCTACGGGAGCGTGGGTTGTCCCATCCCTGGCGCAAGTCTCCAGGCC
CTGGTGCTCCAGAGCTTAGCCAGAAGCTGTGGTTGAGCTAAATTAACCAGAAAGCCCAGCCCTGCCCTCC
TCTCCCTATACTTCCCTAAGGCTGATGGAGGGACCAGGCTGGCCCAGGAACAAAGGAGGTGATGATAATC
AATAATCATGTGCTGCACAGGCCACGTGTGTGTCAGCACGACCGTGTGTGTGTGTGTGTGTGTGTGTG
TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGGAGTTCCTGGTGTGCTGGTGTGCTGT
CATCTGGGGTTAGGCATCATCCTGAGGGATAGAACACAGCAGGATTGGTCCCTGCTTCCGTGACCTTCCA
GTCCTTGTTGGAGCTGGGGTCAAAGCGGATCATAGAGGAGCCTGTGCATGGGCTAAGAGCCTGGCTGTGG
ACTTGCCACATGTGTCCCCTTGGCCTGGTGTCCATTCTCGGTATGTGGCTAGCTTCAAGGGAGTTTCAGT
GCTCGGTGCTCAGATCATCTTGGTGTGAGGCTGCCAGTCAGCTGCTGCTGCTGCGTGGAAGCAGCCATCG
CGAGACTCACCAGTGTCCTACTGTCATATGTCATACCCGAGGGCACCCAAAGGATAATAAATATTTTCCC
CACTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_177374

Insert Size: 873 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:	BC051186, AAH51186
RefSeq Size:	2436 bp
RefSeq ORF:	873 bp
Locus ID:	328162
UniProt ID:	Q80XC2
Cytogenetics:	12 F1
Gene Summary:	Catalytic subunit of tRNA (adenine-N(1)-)-methyltransferase, which catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA. Catalytic subunit of mRNA N(1)-methyltransferase complex, which mediates methylation of adenosine residues at the N(1) position of a small subset of mRNAs: N(1) methylation takes place in tRNA T-loop-like structures of mRNAs and is only present at low stoichiometries.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.