

Product datasheet for MC210545

Mrm3 (NM_183263) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrm3 (NM_183263) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrm3
Synonyms: 4833420N02Rik; AI255153; HC90; Rnmtl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210545 representing NM_183263
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCGCCGGCGAAGGGCATGTGGTGTCCCTGGGATCATTGCTGCGGGTGGTCCAGACTCGGGACC
TCAACGCTCGGCCTGGTCCGGCGCTGCGGCGTAGCCCGTGAGAGTGTGTCTCCCTCGGGACAGGT
GGAGGAACGGAAGCGCTCCTGACCAGCAGCCTCGCAAGCGGTCCCTAAGGCCAGTCCAGGGACAG
CGACAGAAACAGCCTCTTGAGACATCCCATCCCAGACCCTCACACCTGGGAAGAGGCAGGGCTTCGCT
ACGATAAGGCCTTTCCCGGGACAGGAGCTAAGCAGTGTGATGACAATAGTTAAGTCCAGGCCTTTTCG
GGAAAAGCAAGGGAAGATCCTACTGGAAGGTGCGCAGGCTGATTGCAGATGCTCTCAAGGCTGGAGCTGTG
CCCAAAGCGTTCTTTTTAGCCGTCTGGAGTACGTCAGGAGTTGCCGGTAGACAAGCTGAAAGACGTCA
GCCTCATTAAAGGTGAAATTTGAGGACATCAAGGATTGGTCAGACCTAGTAACGCCACAAGGAATAATGGG
GATTTTTGCCAAACCTGACCCTGTTAAGATGACATATCCAGAGACTCCGCTTACCATACACTGCCCTA
GTGTTGATTTGTGACAATCTCCGTGACCCTGGGAACCTGGGACAATCCTGAGATCTGCAGCTGGAGCAG
GCTGCAGTAAAGTCTTACTCACCAAAGGCTGTGTGGATGCCTGGGAGCCTAAAGTGCCTCCGGCAGGCAT
GGGGGCACATTTCCAGGTACCCATTGTGAACAATGTGGAATGGGAAACAGTGCCCAATCACTTGCCTCCT
GACACTCGAGTCTATGTGGCAGACAACCTGTGGTCACTATGCCAGGTTCCAGATGTCTGATAAAACCGGTG
ACCGTGACTGGGCATGTGATCGCCGATTCTTAAAGTTTACAAGTATGAAGAGGACCTAGACACTAAAAAC
CAGAAAGGACTGGCTGCCAAACTTGAGGTCCAGAGTTATGATTTGGACTGGACAGGAGCACCAGCAGCT
GTGGTGATAGGTGGGAGACGCATGGAGTGAGCCTGGAATCCCTGCAACTGGCCGAGAGTACCGGTGGCA
AGAGACTGCTGATCCCCGTTGTACCTGGTGTGGACAGTCTGAACTCAGCCATGGCTGCGAGCATCCTGCT
CTTTGAAGGAAAAGGCAGCTGAGGATAAAGGTGGAAGACTTGAGCAGGGACAGGAGTTACCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_183263
Insert Size:	1257 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:	<ol style="list-style-type: none">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_183263.5 , NP_899086.2
RefSeq Size:	1492 bp
RefSeq ORF:	1257 bp
Locus ID:	67390
UniProt ID:	Q5ND52
Cytogenetics:	11 B5
Gene Summary:	S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methylguanosine at position 1370 (Gm1370) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a conserved modification in the peptidyl transferase domain of the mtLSU rRNA.[UniProtKB/Swiss-Prot Function]