

Product datasheet for **MC207651**

Mrm2 (NM_026510) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrm2 (NM_026510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrm2
Synonyms:	2310037B18Rik; Ftsj2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207651 representing NM_026510 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGGGCATCTGAAGCTGGTAGGCCTTCCCTTAAGGTTCCGAGGTTACACACAGCAGTGTGCTACT
ACAGGGGCGGACCGGCCTGAGCACCTGTGGCTCACGGGCATCTAAAGGATCCGTTTGTGAAGCCGC
AAAGGTGGAGAGTTACCGCTGCCGAGTGCCTTCAAACCTCTGGAGATGAATGAGAAGCATCAGATCCTG
AGGCCCGGTCTCCGGGTGCTGGACTGCGGGCAGCTCCGGGAGCCTGGAGTCAGGTGGCAGTGCAGCGCG
TCAATGCCACAGGCGCAGATTCCAGCTCTCCTGTGGGCTTTGTGCTTGGGGTCGATCTCCTTCACATATT
CCCTTTGGCGGGAGCAACTTTTCTATGCCTGCTGATGTGACTGACCCAGAACTTTCCAGAAGATTCTA
GAACTGCTTCCAGCAGGAGAGCAGATGTATTCTGAGTGACATGGCACCGAATGCCACTGGGATCAGAG
ACCTCGATCACGATAAGCTCATCAGCTTGTGCCTACCCTTGTGGACATGGCTGTGGACATCCTGCATCC
CGGAGGGACACTGCTGTGTA AACCTGGGCCGGAAGTAAAAGCCACCTGCTGCAGAAGAGACTGACCCAG
GAATCCAGAGCACAAGGGTGGTAAACCGGAGCCAGCAGAAAGAGTCTTCGGAGGTGACCTGTTAG
CCACCCAGTACCGTGGGGGAAGGGCACCCAGGAGCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_026510
Insert Size:	741 bp



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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_026510.1 , NP_080786.1
RefSeq Size:	1443 bp
RefSeq ORF:	741 bp
Locus ID:	68017
UniProt ID:	Q9CPY0
Cytogenetics:	5 G2
Gene Summary:	S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methyluridine at position 1369 (Um1369) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA.[UniProtKB/Swiss-Prot Function]