

Product datasheet for **RN216263**

Mff (NM_001271284) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mff (NM_001271284) Rat Untagged Clone
Tag: Tag Free
Symbol: Mff
Synonyms: RGD1310230
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216263 representing NM_001271284
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATACACTGAAGGTATTAGTCAGCGAATGAGGGTCC
CGGAAAAATTTAAAGTAGCACCACCAAATGCTGACCTGGAACAAGGGTTCCAAGATGGAGTTCCAAATGC
CAGTGTGATAATGCAAGTCCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCTTTTCAAGA
CCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCGCTGAAAAACCTCCACGTGTGC
TCACACTGAGTGAGAGACCGCTAGATTTCTGGATTTAGAAAGACCACCTCCAACCTCTCAAAGCGAAGA
GATCCGAGCAGTTGGCAGGCTAAAAAGAGAACGCTCTATGAGTGAAAATGCTGTTCCGAGCAATGGACAG
TTGGTCAGAAAACGATTCCATTGTGACACCATCACCGCCACAGGCTCGGGTCTGTCTCCCATATGCTAC
CTGAAGATGGAGCTAGTCTCTCTGCCCCTGGCATTGTTGTCGTTATCCAGTCTTCTACTCGTAGGGC
TTACCAGCAGATCTTGGATGTGCTGGATGAAAACCGCAGACCTGTGTTGCGTGGTGGGTCAGCTGCCGCC
ACTTCTAATCCTCATCATGACAACGTGAGGTATGGCATTCAAGCCTAGATGCAGCTGTTGAAGGAGCGT
CAGAGGACATGTCTGTGGTAGATGCGGCTTCATTGAGACGTGAGATAATCAAATTAACAGACGTCTACA
ACTTCTGGAAGAGGAGAATAAAGAGCGTGCTAAAAGAGAAATGGTCATGTATTCAATTAAGTGTAGCGTTC
TGCTGCTTAACAGCTGGCTCTGGTTTCGACGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271284
Insert Size: 876 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271284.1</u> , <u>NP_001258213.1</u>
RefSeq Size:	1907 bp
RefSeq ORF:	876 bp
Locus ID:	301563
UniProt ID:	<u>Q4KM98</u>
Cytogenetics:	9q34
Gene Summary:	<p>Plays a role in mitochondrial and peroxisomal fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface. May be involved in regulation of synaptic vesicle membrane dynamics by recruitment of DNM1L to clathrin-containing vesicles.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>