

Product datasheet for **RN209522**

Mff (NM_001039015) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mff (NM_001039015) 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: >RN209522 representing NM_001039015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATACACTGAAGGTATTAGTCAGCGAATGAGGGTCC
 CGGAAAAATTAAGTAGCACCACCAAATGCTGACCTGGAACAAGGGTTCCAAGATGGAGTCCAAATGC
 CAGTGTGATAATGCAAGTCCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCTTTTCAAGA
 CCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCGCTGAAAACACCTCCACGTGTGC
 TCACACTGAGTGAGAGACCGCTAGATTTCTGGATTTAGAAAGACCACCTCCAACCTCTCAAGCGAAGA
 GATCCGAGCAGTTGGCAGGCTAAAAAGAGAACGCTCTATGAGTGAAAATGCTGTTCCGAGAAATGGACAG
 TTGGTCAGAAACGATTCCATGTATGGCATTTCAGCCTAGATGCAGCTGTTGAAGGAGCGTCAGAGGACA
 TGTCTGTGGTAGATGCGGCTTCATTGAGACGTGAGATAATCAAATTAACAGACGTCTACAACTTCTGGA
 AGAGGAGAATAAAGAGCGTGCTAAAAGAGAAATGGTCATGTATTCAATTACTGTAGCGTTCTGGCTGCT
 AACAGCTGGCTCTGGTTTCGACGCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001039015
Insert Size: 657 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:	<u>NM_001039015.2</u> , <u>NP_001034104.1</u>
RefSeq Size:	1688 bp
RefSeq ORF:	657 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 (2) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>