

## Product datasheet for RN216125

### Mff (NM\_001276401) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mff (NM\_001276401) 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: >RN216125 representing NM\_001276401  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGTATGAAAACGGGCAGTGAGACATCACTAGGAAGGGTGAGTGGGGCGGCATTTCTTCTCCCACTG  
 CTGCTGAGATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATACACTGAAGGTATTAGTCAGCGAAT  
 GAGGGTCCCGAAAAAATTAAGTAGCACCACCAATGCTGACCTGGAACAAGGGTTCCAAGATGGAGTT  
 CCAATGCCAGTGTGATAATGCAAGTCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCT  
 TTTCAAGACCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCGCTGAAAACACCTCC  
 ACGTGTGCTCACACTGAGTGAGAGACCGCTAGATTTCTGGATTTAGAAAGACCCTCCAACCTCTCAA  
 AGCGAAGAGATCCGAGCAGTTGGCAGGCTAAAAAGAGAACGCTCTATGAGTGAAAATGCTGTTCCGCCAGA  
 ATGGACAGTTGGTCAGAAACGATTCCATGTATGGCATTTCAGCCTAGATGCAGCTGTTGAAGGAGCGTC  
 AGAGGACATGTCTGTGGTAGATGCGGCTTATTGAGACGTCAGATAATCAAATTAACAGACGCTCAAA  
 CTTCTGGAAGAGGAGAATAAAGAGCGTGCTAAAAGAGAAAATGGTCATGTATTCAATTACTGTAGCGTTCT  
 GGCTGCTTAACAGCTGGCTCTGGTTTCGACGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001276401  
 Insert Size: 735 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001276401.1, NP_001263330.1</u>
<b>RefSeq Size:</b>	1858 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	301563
<b>UniProt ID:</b>	<u>Q4KM98</u>
<b>Cytogenetics:</b>	9q34
<b>Gene Summary:</b>	<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 (3) differs in the 5' UTR, contains an alternate exon in the 5' coding region, and lacks two in-frame exons, compared to variant 1. It initiates translation at an alternate start codon. The encoded isoform (3) is shorter than isoform 1 and has a distinct, longer N-terminus. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>