

## Product datasheet for RR216125

### Mff (NM\_001276401) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mff (NM\_001276401) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mff  
**Synonyms:** RGD1310230  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216125 representing NM\_001276401  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTATGAAAACGGGCAGTGAGACATCACTAGGAAGGGTGAGTGGGGCGGCATTTCTTCTCCCACTG  
CTGCTGAGATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATACACTGAAGGTATTAGTCAGCGAAT  
GAGGGTCCCGAAAAATTAAGTAGCACCACCAATGCTGACCTGGAACAAGGGTTCCAAGATGGAGTT  
CCAAATGCCAGTGTGATAATGCAAGTCCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCT  
TTTCAAGACCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCGCTGAAAACACCTCC  
ACGTGTGCTCACACTGAGTGAGAGACCGCTAGATTTCTGGATTTAGAAAGACCCTCCAACCTCTCAA  
AGCGAAGAGATCCGAGCAGTTGGCAGGCTAAAAAGAGAACGCTCTATGAGTGAAAATGCTGTTCCGCCAGA  
ATGGACAGTTGGTCAGAAACGATTCCATGTATGGCATTTCAGCCTAGATGCAGCTGTTGAAGGAGCGTC  
AGAGGACATGTCTGTGGTAGATGCGGCTTATTGAGACGTCAGATAATCAAATTAACAGACGCTCTACAA  
CTTCTGGAAGAGGAGAATAAAGAGCGTGCTAAAAGAGAAAATGGTCATGTATTCAATTACTGTAGCGTTCT  
GGCTGCTTAACAGCTGGCTCTGGTTTCGACGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216125 representing NM\_001276401  
Red=Cloning site Green=Tags(s)

MSMKTGSETSLGRVSGAAFPSPPTAAEMAEISRIQYEMEYTEGISQRMVPEKLVAPPNADLEQGFQDGV  
 PNASVIMQVPERIVVTGNNEDISFSRPADLDLIQSTPFKPLAKTPPRVLTLSERPLDFLDERPPPTPQ  
 SEEIRAVGRLKRERSMSENAVRQNGQLVRNDSMYGISSLDAAVEGASEDMSVVDAASLRRQIIKLNRRLQ  
 LLEENKERAKREVMYSITVAFWLLNSLWLFRR

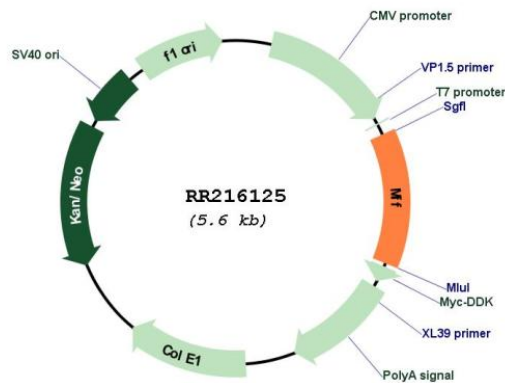
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001276401  
**ORF Size:** 732 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001276401.1</a> , <a href="#">NP_001263330.1</a>
<b>RefSeq Size:</b>	1858 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	301563
<b>UniProt ID:</b>	<a href="#">Q4KM98</a>
<b>Cytogenetics:</b>	9q34
<b>MW:</b>	27.5 kDa
<b>Gene Summary:</b>	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]