

Product datasheet for **RR216263**

Mff (NM_001271284) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mff (NM_001271284) 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: >RR216263 representing NM_001271284
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATACACTGAAGGTATTAGTCAGCGAATGAGGGTCC
CGGAAAAATTAAGTAGCACCACCAAATGCTGACCTGGAACAAGGGTTCCAAGATGGAGTCCAAATGC
CAGTGTGATAATGCAAGTCCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCTTTTCAAGA
CCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCGCTGAAAACACCTCCACGTGTGC
TCACACTGAGTGAGAGACCGCTAGATTTCTGGATTTAGAAAGACCACCTCCAACCTCTCAAAGCGAAGA
GATCCGAGCAGTTGGCAGGCTAAAAAGAGAACGCTCTATGAGTGAAAATGCTGTTCCGAGCAATGGACAG
TTGGTCAGAAACGATTCCATTGTGACACCATCACCGCCACAGGCTCGGGTCTGTCTCCCATATGCTAC
CTGAAGATGGAGCTAGTCTCTCTCTGCCCGTGGCATTGTTGCGTTATCCAGTCTTCTACTCGTAGGGC
TTACCAGCAGATCTTGGATGTGCTGGATGAAAACCGCAGACCTGTGTTGCGTGGTGGGTCAGCTGCCGCC
ACTTCTAATCCTCATCATGACAACGTGAGGTATGGCATTCAAGCCTAGATGCAGCTGTTGAAGGAGCGT
CAGAGGACATGTCTGTGGTAGATGCGGCTTCATTGAGACGTGAGATAATCAAATTAACAGACGTCTACA
ACTTCTGGAAGAGGAGAATAAAGAGCGTGCTAAAAGAGAAAATGGTCATGTATTCAATTAAGTGTAGCGTTC
TGCTGCTTAACAGCTGGCTCTGGTTTCGACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001271284.1 , NP_001258213.1
RefSeq Size:	1907 bp
RefSeq ORF:	876 bp
Locus ID:	301563
UniProt ID:	Q4KM98
Cytogenetics:	9q34
MW:	32.8 kDa
Gene Summary:	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]