

Product datasheet for **RC232387**

MFF (NM_001277062) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MFF (NM_001277062) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MFF
Synonyms: C2orf33; EMPF2; GL004
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232387 representing NM_001277062
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGAATGAGGGTCC
CAGAAAAGTTAAAAGTAGCACCCCAAACGCTGACCTGGAACAAGGATTCCAAGAAGGAGTCCAAATGC
TAGTGTGATAATGCAAGTCCGGAGAGGATTGTGTAGCAGGAAATAATGAAGATGTTTCATTTTCAAGA
CCAGCAGATCTTGACCTTATTCAGTCAACTCCCTTTAAACCCCTGGCACTGAAAACACCCTCGTGTAC
TTACGCTGAGTGAAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCCTACAACCCCTCAAATGAAGA
AATCCGAGCAGTTGGCAGACTAAAAGAGAGCGGTCTATGAGTGAAAATGCTGTTCCGCAAAAATGGACAG
CTGGTCAGAAATGATTCTTGTGACACCATCGCCACAACAGGCTCGGGTCTGTCTCCCATATGTTAC
CTGAAGATGGAGCTAATCTTCTCTGCTCGTGGCATTGTTGCGTTATCCAGTCTTCTACTCGTAGGGC
ATACCAGCAGATCTTGGATGTGCTGGATGAAAATCGCAGACCTGTGTTGCGTGGTGGTCTGCTGCCGCC
ACTTCTAATCCTCATCATGACAACGT CAGGTATGGCATTCAAATATAGATAACAACATTGAAGGAACGT
CAGATGACCTGACTGTTGTAGATGCAGTTCACCTAAGACGACAGATAATCAAATAAATAGACGTCTACA
ACTTCTGGAAGAGGAGAAAGAACGTGCTAAAAGAGAAAATGGTCATGTATTCAATTAAGTCTAGCTTTC
TGCTGCTTAATAGCTGGCTCTGGTTTCGCCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232387 representing NM_001277062
Red=Cloning site Green=Tags(s)

MAEISRIQYEMEYTEGISQRMRVPEKLVAPPNADLEQGFQEGVFNASVIMQVPERIVVAGNNEDVSFSR
 PADLDLIQSTPFKPLALKTPRVLTLSEKPLDFLDERPPTTPQNEEIRAVGRLKRERSMSENAVRQNGQ
 LVRNDSLVTSPQQARVCPHMLPEDGANLSSARGILSLIQSSTRRAYQQILDVLDENRRPVLRGGSAAA
 TSNPHHDNVRYGISNIDTTIEGTSDDLTVVDAASLRQI I K L N R R L Q L L E E E N K E R A K R E M V M Y S I T V A F
 WLLNSWLWFRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

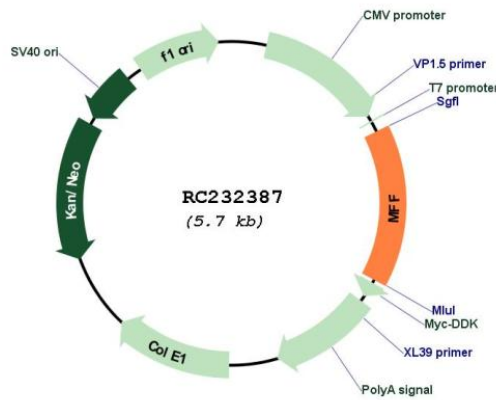
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277062

ORF Size: 873 bp

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_001277062.2
RefSeq Size:	2024 bp
RefSeq ORF:	876 bp
Locus ID:	56947
UniProt ID:	Q9GZY8
Cytogenetics:	2q36.3
Protein Families:	Transmembrane
MW:	33.4 kDa
Gene Summary:	This is a nuclear gene encoding a protein that functions in mitochondrial and peroxisomal fission. The encoded protein recruits dynamin-1-like protein (DNM1L) to mitochondria. There are multiple pseudogenes for this gene on chromosomes 1, 5, and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]