

Product datasheet for **RC232262**

MFF (NM_001277063) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MFF (NM_001277063) 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: >RC232262 representing NM_001277063
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGAATGAGGGTCC
CAGAAAAGTTAAAAGTAGCACCCGCAAACGCTGACCTGGAACAAGGATTCCAAGAAGGAGTCCAAATGC
TAGTGTGATAATGCAAGTCCGGAGAGGATTGTTGTAGCAGGAAATAATGAAGATGTTTCATTTTCAAGA
CCAGCAGATCTTGACCTTATTCAGTCAACTCCCTTTAAACCCCTGGCACTGAAAACACCCTCGGTAC
TTACGCTGAGTGAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCCTACAACCCCTCAAATGAAGA
AATCCGAGCAGTTGGCAGACTAAAAGAGAGCGGTCTATGAGTGAAAATGCTGTTTCGCCAAAATGGACAG
CTGGTCAGAAATGATTCTCTGTGGCACAGATCAGATTCTGCCCAAGAAATAAAATTTCAAGGTTCCAGG
CACCGATTTCTGCACCGGAGTACACGTATGGCATTTCAAATATAGATACAACCATTGAAGGAACGTCAGA
TGACCTGACTGTTGTAGATGCAGCTTCACTAAGACGACAGATAATCAAATAAATAGACGCTACAACCT
CTGGAAGAGGAGAACAAGAACGTGCTAAAAGAGAAATGGTCATGTATTCAATTACTGTAGCTTTCTGGC
TGCTTAATAGCTGGCTCTGGTTTCGCCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232262 representing NM_001277063
Red=Cloning site Green=Tags(s)

MAEISRIQYEMEYTEGISQRMRVPEKLVAPPNADLEQGFQEGVNPASVIMQVPERIVVAGNNEDVSFSR
 PADLDLIQSTPFKPLALKTPRVLTLSERPLDFLDERPPTTPQNEEIRAVGRLKRERSMSENVRQNGQ
 LVRNDSLWHRSDSAPRNKISRFAQPISAPEYTYGISNIDTTIEGTSDDLTVVDAASLRRQIIKLNRRLLQL
 LEEENKERAKREVMYSITVAFWLLNSLWFRR

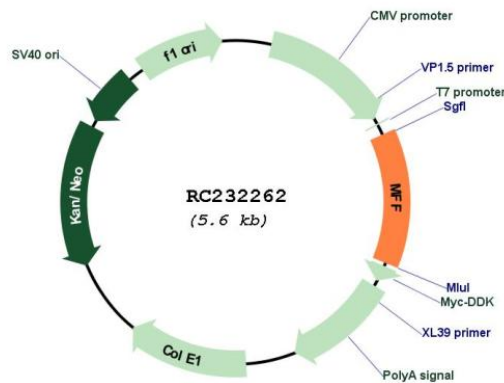
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277063
ORF Size: 729 bp

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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_001277063.2 |
| RefSeq Size: | 1880 bp |
| RefSeq ORF: | 732 bp |
| Locus ID: | 56947 |
| UniProt ID: | Q9GZY8 |
| Cytogenetics: | 2q36.3 |
| Protein Families: | Transmembrane |
| MW: | 28.4 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] |