

## Product datasheet for **RC236953**

### MFF (NM\_001277068) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MFF (NM\_001277068) 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:** >RC236953 representing NM\_001277068  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGAATGAGGGTCC  
CAGAAAAGTTAAAAGTAGCACCCCAAACGCTGACCTGGAACAAGGATTCCAAGAAGGAGTCCAAATGC  
TAGTGTGATAATGCAAGTCCGGAGAGGATTGTTGTAGCAGGAAATAATGAAGATGTTTCATTTTCAAGA  
CCAGCAGATCTTGACCTTATTCAGTCAACTCCCTTTAAACCCCTGGCACTGAAAACACCCTCGTGTAC  
TTACGCTGAGTGAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCCTACAACCCCTCAAATGAAGA  
AATCCGAGCAGTTGGCAGACTAAAAGAGAGCGGTCTATGAGTGAAAATGCTGTTTCGCCAAAATGGACAG  
CTGGTCAGAAATGATTCTCTGGCATAACCAGCAGATCTTGGATGTGCTGGATGAAAATCGCAGACCTGTG  
TGCGTGGTGGTCTGCTGCCGCACTTCTAATCCTCATCATGACAACGTCAGGTATGGCATTTCAAATAT  
AGATAACAACATTGAAGGAACGTCAGATGACCTGACTGTTGTAGATGCAGCTTACTAAGACGACAGATA  
ATCAAATAAATAGACGCTCTACAACCTTCTGGAAGAGGAGAACAAGAACGTGCTAAAAGAGAAATGGTCA  
TGATTCAATTACTGTAGCTTTCTGGCTGCTTAATAGCTGGCTCTGGTTTCGCCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236953 representing NM\_001277068  
Red=Cloning site Green=Tags(s)

MAEISRIQYEMEYTEGISQRMRVPEKLVAPPNADLEQGFQEGVFNASVIMQVPERIVVAGNNEDVSFSR  
 PADLDLIQSTPFKPLALKTPRVLTLSERPLDFLDERPPTTPQNEEIRAVGRLKRERSMSENAVRQNGQ  
 LVRNDSLAYQQILDVLDENRRPVLRGSSAAATSNPHHDNVRYGISNIDTTIEGTSDDLTVVDAASLRQI  
 IKLNRRLQLLEENKERAKREVMYSITVAFWLLNSWLFRR

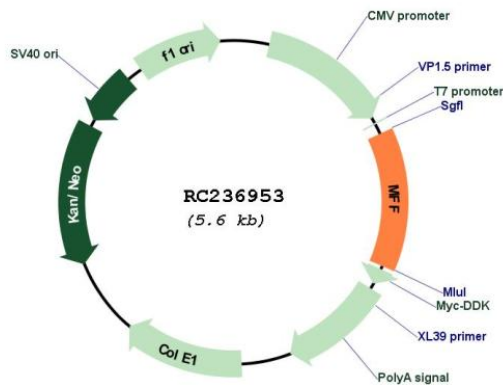
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001277068  
**ORF Size:** 756 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_001277068.1</a> , <a href="#">NP_001263997.1</a>
<b>RefSeq Size:</b>	1630 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	56947
<b>UniProt ID:</b>	<a href="#">Q9GZY8</a>
<b>Cytogenetics:</b>	2q36.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	29.3 kDa
<b>Gene Summary:</b>	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]