

Product datasheet for **SC334847**

MFF (NM_001277068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFF (NM_001277068) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFF
Synonyms:	C2orf33; EMPF2; GL004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001277068, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGAATGAGGGTCC
CAGAAAAGTTAAAAGTAGCACCGCCAAACGCTGACCTGGAACAAGGATTCCAAGAAGGAGTTCCAAATGC
TAGTGTGATAATGCAAGTCCGGAGAGGATTGTTGTAGCAGGAAATAATGAAGATGTTTCATTTTCAAGA
CCAGCAGATCTTGACCTTATTCAGTCAACTCCCTTTAAACCCCTGGCACTGAAAACACCACCTCGTGTAC
TTACGCTGAGTGAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCCTACAACCCCTCAAATGAAGA
AATCCGAGCAGTTGGCAGACTAAAAGAGAGCGGTCTATGAGTAAAATGCTGTTTCGCAAAATGGACAG
CTGGTCAGAAATGATTCTCTGGCATACCAGCAGATCTTGGATGTGCTGGATGAAAATCGCAGACCTGTGT
TGCGTGGTGGGTCTGCTGCCGCACTTCTAATCCTCATCATGACAACGTCAGGTATGGCATTTCAAATAT
AGATACAACCATTGAAGGAACGTCAGATGACCTGACTGTTGTAGATGCAGCTTCACTAAGACGACAGATA
ATCAAACCTAAATAGACGCTTACAACCTTCTGGAAGAGGAGAAACAAGAACGTGCTAAAAGAGAAATGGTCA
TGTATTCAATTACTGTAGCTTTCTGGCTGCTTAATAGCTGGCTCTGGTTTCGCCGCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001277068
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_001277068.1</u> , <u>NP_001263997.1</u>
RefSeq Size:	1630 bp
RefSeq ORF:	759 bp
Locus ID:	56947
UniProt ID:	<u>Q9GZY8</u>
Cytogenetics:	2q36.3
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (9) contains multiple differences in the UTR and coding region, compared to variant 1. It initiates translation at a downstream in-frame start codon. The encoded isoform (g) is shorter and has a shorter N-terminus than isoform a.</p>