

## Product datasheet for SC113168

### MFF (NM\_020194) Human Untagged Clone

#### Product data:

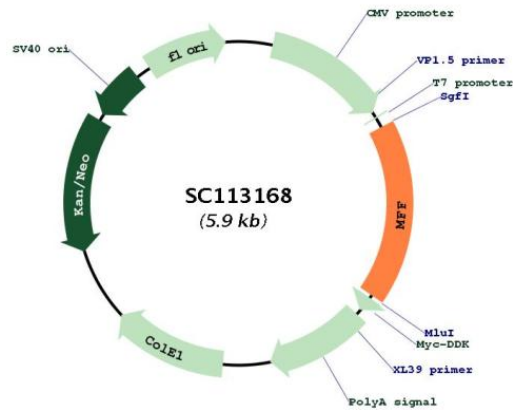
Product Type:	Expression Plasmids
Product Name:	MFF (NM_020194) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFF
Synonyms:	C2orf33; EMPF2; GL004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC113168 representing NM_020194. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAAAGGAACAAGCAGTGACACATCACTAGGAAGGGTGAGCAGGGCAGCATTTCTTCTCCCACT
GCTGCTGAGATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGA
ATGAGGGTCCCAGAAAAGTTAAAAGTAGCACCGCCAACGCTGACCTGGAACAAGGATCCAAGAAGGA
GTTCCAAATGCTAGTGTGATAATGCAAGTCCGGAGAGGATTGTTGTAGCAGGAAATAATGAAGATGTT
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CCACCTCGTGTACTTACGCTGAGTGAAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCTACAACC
CCTCAAAATGAAGAAATCCGAGCAGTTGGCAGACTAAAAAGAGAGCGGTCTATGAGTGAAATGCTGTT
CGCCAAAATGGACAGCTGGTCAGAAATGATTCTCTGTGGCACAGATCAGATTCTGCCCAAGAAATAAA
ATTTCAAGGTTCCAGGCACCGATTTCTGCACCGGAGTACACTGTGACACCATCGCCACAACAGGCTCGG
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ATCCAGTCTTCTACTCGTAGGGCATACCAGCAGATCTGGATGTGCTGGATGAAATCGCAGACCTGTG
TTGCGTGGTGGGTCTGCTGCCGCCACTTCTAATCCTCATCATGACAACGTCAGGTATGGCATTTCAAAT
ATAGATAACAACATTGAAGGAACGTCAGATGACCTGACTGTTGTAGATGCAGCTTCACTAAGACGACAG
ATAATCAAATAAATAGACGCTACAACCTCTGGAAGAGGAGAAACAAGAACGTCGCTAAAAGAGAAATG
GTCATGTATTCAATTACTGTAGCTTTCTGGCTGCTTAATAGCTGGCTCTGGTTTCGCCGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_020194

**Insert Size:** 1029 bp

**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).

**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:**

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\\_020194.5](#)

**RefSeq Size:** 2014 bp

**RefSeq ORF:** 1029 bp

**Locus ID:** 56947

**UniProt ID:** [Q9GZY8](#)

**Cytogenetics:** 2q36.3

**Protein Families:** Transmembrane

**MW:** 38.5 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]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a).