

Product datasheet for **RG221492**

MFF (NM_020194) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFF (NM_020194) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MFF
Synonyms:	C2orf33; EMPF2; GL004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221492 representing NM_020194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAAAGGAACAAGCAGTGACACATCACTAGGAAGGGTGAGCAGGGCAGCATTTCTTCTCCCACTG
CTGCTGAGATGGCAGAAATTAGTCGAATTCAGTACGAAATGGAATATACTGAAGGCATTAGTCAGCGAAT
GAGGGTCCAGAAAAGTTAAAAGTAGCACCGCCAAACGCTGACCTGGAACAAGGATTCGAAGAAGGAGTT
CCAAATGCTAGTGTGATAATGCAAGTCCGGAGAGGATTGTTGTAGCAGGAAATAATGAAGATGTTTCAT
TTTCAAGACCAGCAGATCTTGACCTTATTCAGTCAACTCCCTTTAAACCCCTGGCACTGAAAACACCACC
TCGTGTACTTACGCTGAGTGAAAGACCACTAGATTTTCTGGATTTAGAAAGACCTCTACAACCCCTCAA
AATGAAGAAATCCGAGCAGTTGGCAGACTAAAAAGAGAGCGGTCTATGAGTGAAAATGCTGTTCCGCAAA
ATGGACAGCTGGTCAGAAATGATTCTCTGTGGCACAGATCAGATTCTGCCCAAGAAAATAAAATTTCAAG
GTTCCAGGCACCGATTTCTGCACCGGAGTACACTGTGACACCATCGCCACAACAGGCTCGGGTCTGTCT
CCCCATATGTTACCTGAAGATGGAGCTAATCTTCTCTGCTCGTGGCATTGTTGTCGCTTATCCAGTCTT
CTACTCGTAGGGCATACCAGCAGATCTTGGATGTGCTGGATGAAAATCGCAGACCTGTGTTGCGTGGTGG
GTCTGCTGCCGCCACTTCTAATCCTCATCATGACAACGTCAGGTATGGCATTTCAAATATAGATAACAAC
ATTGAAGGAACGTCAGATGACCTGACTGTTGTAGATGCAGCTTCACTAAGACGACAGATAATCAAACCTAA
ATAGACGCTACAACCTTCTGGAAGAGGAGAACAAGAACGTGCTAAAAGAGAAAATGGTCATGTATTCAAT
TACTGTAGCTTTCTGGCTGCTTAATAGCTGGCTCTGGTTTCGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221492 representing NM_020194
 Red=Cloning site Green=Tags(s)

MSKGTSSDTSLGRVSRAAFPSPTAAEMAEISRIQYEMEYTEGISQRMVPEKLVAPPNADLEQGFQEGV
 PNASVIMQVPERIVVAGNNEDVSFSRPADLDLIQSTPFKPLALKTTPRVLTLSERPLDFDLERPTTPQ
 NEEIRAVGRLKRERSMSENAVRQNGQLVRNDSLWHRSDSAPRNKISRFAQAPISAPEYTVTPSPQQARVCP
 PHMLPEDGANLSSARGILSLIQSSTRRAYQQILDVLDENRRPVLRGSSAAATSNPHHDNVRVYGISNIDTT
 IEGTSDDLTVVDAASLRQIIKLNRRLLQLEENKERAKREVMYSITVAFWLLNSWLWFRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020194

ORF Size: 1026 bp

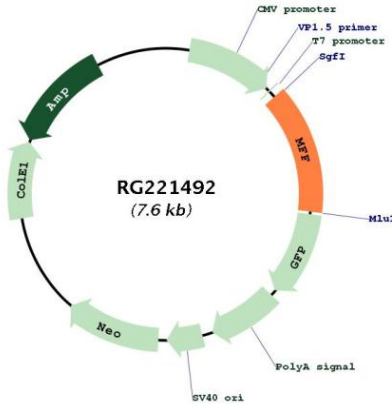
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_020194.5 , NP_064579.3
RefSeq Size:	2032 bp
RefSeq ORF:	1029 bp
Locus ID:	56947
UniProt ID:	Q9GZY8
Cytogenetics:	2q36.3
Protein Families:	Transmembrane
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]

Product images:



Circular map for RG221492