

Product datasheet for MR203974

Mff (NM_029409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mff (NM_029409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mff
Synonyms:	5230400G24Rik; AI314724
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203974 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAAATTAGTCGAATTCAGTATGAAATGGAATACACCGAAGGTATTAGTCAGCGAATGAGGGTCC
CGGAAAATTTAAAGTAGCACCACCAAATGCTGACCTGGAGCAAGAGTCCAAGATGGAGTTCCAATGC
CAGTGTGATAATGCAAGTCCCAGAGAGGATCGTGGTTACAGGAAATAATGAAGACATTTCAATTTCAAGA
CCAGCAGATCTTGACCTTATCCAGTCCACTCCCTTTAAACCTCTGGCACTGAAAACACCACCACGCGTGC
TCACACTGAGTGAGAGACCACTAGATTTCTGGATTTAGAAAGACCACTCCAACCTCTCAAAGCGAAGA
GAGCCGAGCAGTTGGCAGGCTAAAAGAGAGCGTTCTATGAGTAAAATGCTGTTCCGCAAAATGGACAG
TTGGTCAGAAACGATTCCATTGTGACACCATCACACCACAGGCTCGGGTCTGTCTCCCATATGCTAC
CTGAAGATGGAGCTAATCTTTCTCTGCCCGTGGCATTGTGCGTTATCCAGTCTTCTACTCGTAGGGC
TTACCAGCAGATCTTGGATGTGCTGGATGAAAACCGCAGACCTGTGTTGCGTGGTGGTCCAGCTGCCGCC
ACTTCTAATCCTCATCATGACAACGTCAGGTATGGCATTTCAAACCTAGATGCAGCCATTGAAGGAGCTT
CAGATGACATGACTGTGGTAGATGCAGCTTCATTAAGACGTCAGATAATCAAATTAATAGACGTCTCCA
ACTTCTGGAAGAGGAGAATAAAGAGCGTGCTAAAAGAGAAATGGTCATGTATTCAATCACTGTAGCGTTC
TGGCTGCTTAACAGCTGGCTCTGTTTCGACGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR203974 protein sequence
Red=Cloning site Green=Tags(s)

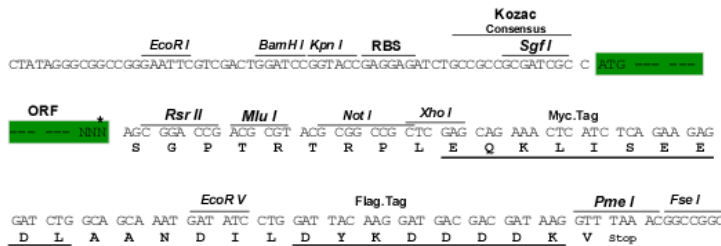
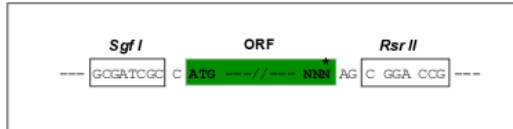
MAEISRIQYEMEYTEGISQRMRVPEKLVAPPNADLEQEFQDGVPNASVIMQVPERIVVTGNNEISFSR
 PADLDLIQSTPFKPLALKTPRVLTLSERPLDFDLERPLPTPQSEESRAVGRLLKRERSMSENAVRQNGQ
 LVRNDSIVTPSPQARVCPHMLPEDGANLSSARGILSLIQSSTRRAYQQILDVLDENRRPVLRGSSAAA
 TSNPHHDNVRYGISNLDAAIEGASDDMTVVDAASLRRQIIKLNRRLLQLLEENKERAKREMMYSITVAF
 WLLNSLWFRR

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029409

ORF Size: 876 bp

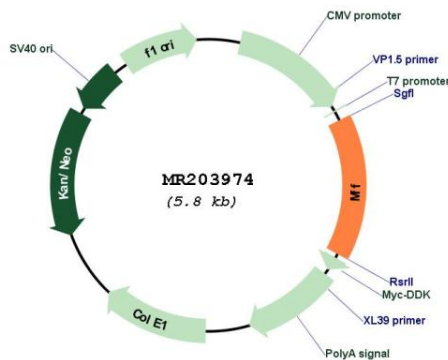
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_029409.3</u> , <u>NP_083685.2</u>
RefSeq Size:	1920 bp
RefSeq ORF:	876 bp
Locus ID:	75734
UniProt ID:	<u>Q6PCP5</u>
Cytogenetics:	1 C5
MW:	32.9 kDa
Gene Summary:	Plays a role in mitochondrial and peroxisomal fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface. May be involved in regulation of synaptic vesicle membrane dynamics by recruitment of DNM1L to clathrin-containing vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203974