

Product datasheet for **MR214573**

Fmo9 (NM_172844) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fmo9
Synonyms:	4831428F09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR214573 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTCAAGAAGCGGATAGCTGTGATTGGAGCTGGGATCAGTGGCCTAGGAGCCATCAAGTCTGCTTGG
 ATGAAGACCTGGAGCCACCTGCTTTGAAAGAAATGATGACATCGGAGGCCTGTGGAAATTTCAAAGAA
 TGCTTCAGAGAAAATGCCTAGCATCTACAGATCTGTGACCATCAACACTTCAAAGGAGATGATGTCTTC
 AGTGATTTCCCTATCCCTGACCACTTTCCCACTACATGCACAACAGCAAGCTCATGGACTACTTCAGGA
 TGTACGCCAAGCGCTTCAGTCTTCTGGATTACATCCGATTTAAGACCACAGTGAGGAGCGTGAGAAAACG
 TCCAGACTTCCACATCCATGGACAATGGGATGTTGTTGTGGAGACAGATGGGAAACAGGAGAGCCTAGTC
 TTTGATGGGGTCTGCTGTCAGTGGCCATCACACAGACCCCCACCTGCCACTCAAGTCTTTCCAGGCA
 TTGAGAAGTTTGAAGGCTGTTATTTCCACAGTCGAGAATACAAAAGTCTGAGGATTATGTGGGAAAGAG
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 CAGCACCACCATCAGTGATGACCTTCCAAACCACATCATCTCCGAAAAGTCCAGGTGAAGCCTAACG
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 CTTTGCTACAGGATACAGCATTTCTTTCCATTCTTGGGGATCTGATTGCAGTTACTGACAATGAAGTG
 TCCCTGTATAAGCTGATGTTCCCTCCAGACCTGGAGAAGCCAATTTGGCTGTCATCGGGCTCATCCAGC
 CATTGGGCATCATCTACCTATTGCAGAACTCCAGTCTCGCTGGGCTGTGCGGGTGTCAAAGGGCTGAG
 CAAATTACCCTCAGTGAAGGCCATGAAGGCAGACATGGACCAAAGGAAAAGGCTATGGAGAAACGGTAT
 GTAAAGACAGCCAGGCACACAATCCAAGTGGACCATATTGAGTACATGGATGAGATCGCCTCTCTGGCTG
 GGGTGAAGCCCAACCTCTGCTCTCTCTCGGATCCAACACTAGCCATGGAAGTCTTCTTTGGGCC
 CTGTACCCCATACCAATACCGTTTGAAGGTCCAGGGAATGGGATGGGGCCCGGAGAGCCATCTGACT
 CAGAGAGAACGGATCATCAAGCCCTTGAAGACCCGAATTACAAGTGAGAAGAGTCGCTCTGCCCCAGGTC
 TCTTTTGGATAAAGATGGCACTATTGGCCTGGCATTCTGTTTCAAGTTAACATACTTTAGTTATAT
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 ACAAGGATGACGACGATAAGGTTTAA

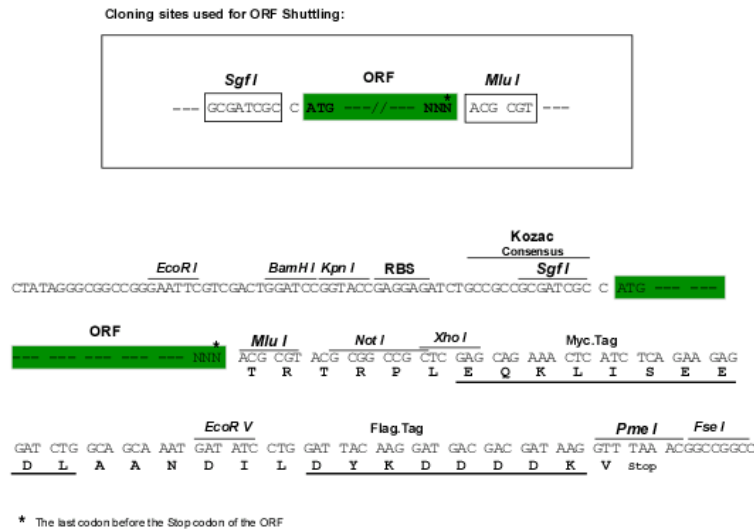
Protein Sequence: >MR214573 protein sequence
 Red=Cloning site Green=Tags(s)

MYKKRIAVIGAGISGLGAIKCLDELEPTCFERNDIGGLWKFKQNASEKMPSIYRSVTINTSKEMMCF
 SDFPIPDHFPNMYHNSKLMDFRMYAKRFSLLDYIRFKTTVRSVRKRPDFHIHQWQVVDVTDGKQESLV
 FDGVLVCSGHHTDPLPLKSFPGIEKFEGCYFHSREYKSPEDYVGKRIIVVGIGNSGVDIAVELGRVAKQ
 VFLSTRRGSWILHRVWNNGYPMDSFFTRFHSFLQKILTTEAVNKYLEKTLNSRFNHAHYGLQPQHRPLS
 QHPTISDDLPHNHIISGKVQVKPNVKEFTGTDVHFDDGTVEENIDVVIFATGYSISFPFLGDLIAVTDNEV
 SLYKLMFPDLEKPTLAVIGLIQPLGIILPIAELQSRWAVRVFKGLSKLPSVKAMKADMDQRKKAMEKRY
 VKTARHTIQVDHIEYMDEIASLAGVKPNLLLLFLSDPTLAMEVFFGPCTPYQYRLQGPQKWDGARRAILT
 QRERIIPKTRITSEKRSAPGLFWIKMALFGLAFLVPSLTYFSYICQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172844

ORF Size: 1617 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:

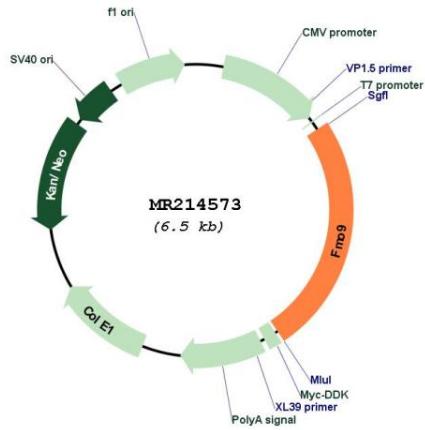
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172844.1](#), [NM_172844.2](#), [NP_766432.1](#)

RefSeq Size:	3065 bp
RefSeq ORF:	1620 bp
Locus ID:	240894
Cytogenetics:	1 H2.3
MW:	61.5 kDa

Product images:



Circular map for MR214573