

## Product datasheet for **MG214573**

### **Fmo9 (NM\_172844) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Fmo9
<b>Synonyms:</b>	4831428F09Rik
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214573 representing NM\_172844  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTCAAGAAGCGGATAGCTGTGATTGGAGCTGGGATCAGTGGCCTAGGAGCCATCAAGTCTGCTTGG  
 ATGAAGACCTGGAGCCACCTGCTTTGAAAGAAATGATGACATCGGAGGCCTGTGGAAATTTCAAAGAA  
 TGCTTCAGAGAAAATGCCTAGCATCTACAGATCTGTGACCATCAACACTTCAAAGGAGATGATGTCTTC  
 AGTGATTTCCCTATCCCTGACCACTTTCCCAACTACATGCACAACAGCAAGCTCATGGACTACTTCAGGA  
 TGTACGCCAAGCGCTTCAGTCTTCTGGATTACATCCGATTTAAGACCACAGTGGAGGCGTGAGAAAACG  
 TCCAGACTTCCACATCCATGGACAATGGGATGTTGTTGTGGAGACAGATGGGAAACAGGAGAGCCTAGTC  
 TTTGATGGGGTCTGCTGTCAGTGGCCATCACACAGACCCCCACCTGCCACTCAAGTCTTTCCAGGCA  
 TTGAGAAGTTTGAAGGCTGTTATTTCCACAGTCGAGAATACAAAAGTCTGAGGATTATGTGGGAAAGAG  
 AATCATAGTGGTTGGCATTGGGAATCCGGTGTGGACATTGCCGTGGAGCTTGGTCGTAGCAAACAG  
 GTATTCCTCAGCACCAGACGAGGATCGTGGATTTACACCGTGTGGAAATAACGGCTATCCCATGGATA  
 GTTCATTTTTCACTCGGTTCCATAGCTTTCTCCAGAAGATATTAACCACAGAAGCAGTAAATAAGTACCT  
 AGAGAAGACTCTGAACTCAAGATCAACCATGCACATTATGGTCTGCAGCCACAGCAGACCACCTGAGC  
 CAGCACCCACCATCAGTGATGACCTTCAAACCACATCATCTCCGGAAAAGTCCAGGTGAAGCCTAACG  
 TGAAGGAGTTCACAGGAACGGATGTTCAATTTGATGATGGCACCGTGGAGGAGAATATTGACGTTGTCAT  
 CTTTGTACAGGATACAGCATTTCTTTCCATTCTTGGGGATCTGATTGCAGTTACTGACAATGAAGTG  
 TCCCTGTATAAGCTGATGTTCCCTCCAGACCTGGAGAAGCCAACTTTGGCTGCATCGGGCTCATCCAGC  
 CATTGGGCATCATCTACCTATTGCAGAACTCCAGTCTCGCTGGGCTGTGCGGGTGTCAAAGGGCTGAG  
 CAAATTACCCTCAGTGAAGGCCATGAAGGCAGACATGGACCAAAGGAAAAGGCTATGGAGAAACGGTAT  
 GTAAAGACAGCCAGGCACACAATCCAAGTGGACCATATTGAGTACATGGATGAGATCGCCTCTCTGGCTG  
 GGGTGAAGCCCAACCTCTGCTCTCTCTCGGATCCAACACTAGCCATGGAAGTCTTCTTTGGGCC  
 CTGTACCCCATACCAATACCGTTTGAAGGTCCAGGAAATGGGATGGGGCCCGGAGAGCCATCCTGACT  
 CAGAGAGAACGGATCATCAAGCCCTTGAAGACCCGAATTACAAGTGAGAAGAGTTCGCTCTGCCCCAGGTC  
 TCTTTTGGATAAAGATGGCACTATTGGCCTGGCATTCTGGTTCCAAGTTAACATACTTTAGTTATAT  
 TTGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214573 representing NM\_172844  
 Red=Cloning site Green=Tags(s)

MVKKRIAVIGAGISGLGAIKCCLDEDLEPTCFERNDDIGGLWKFQKNASEKMPSIYRSVTINTSKEMMCF  
 SDFPIPDHFPNYMHNSKLMDFRMYAKRFSLLDYIRFKTTVRSVRKRPDFHIHGQWDVVVETDQKQESLV  
 FDGVLVCSGHHTDPLPLKSFPGIEKFEGCYFHSREYKSPEDYVVKRIIVVIGIGNSGVDIAVELGRVAKQ  
 VFLSTRRGSWILHRVWNGYPMDSSFFTRFHSFLQKILTTEAVNKYLEKTLNSRFNHAHYGLQPQHRPLS  
 QHPTISDDLPNHIIISGKVQVKNVKEFTGTDVHFDDGTVEENIDVVIFATGYSISFPFLGDLIAVTDNEV  
 SLYKLMFPDLEKPTLAVIGLIQPLGIILPIAELQSRWAVRVFKGLSKLPSVKAMKADMDQRKKAMEKRY  
 VKTARHTIQVDHIEYMDEIASLAGVKPNLLLLFLSDPTLAMEVFFGPCTPYQYRLQGPWKWDGARRAILT  
 QRERIIKPLKTRITSEKRSAPGLFWIKMALFGLAFLVPSLTYFSYICQ

TRTRPLE - GFP Tag - V

**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.

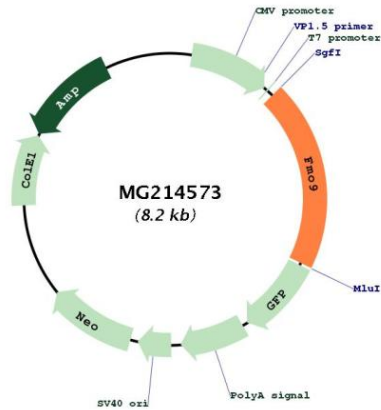
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_172844.2](#), [NP\\_766432.1](#)

**RefSeq Size:** 3065 bp

RefSeq ORF: 1620 bp  
 Locus ID: 240894  
 Cytogenetics: 1 H2.3

**Product images:**



Circular map for MG214573