

Product datasheet for **MG224328**

Olfm3 (NM_153157) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm3 (NM_153157) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Olfm3
Synonyms:	B230206G02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224328 representing NM_153157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGTGTCCACTGCTGAACTGGGCGCTGTGCTCAGTACCATGGCAATGATCTCAAAGTGGATGTCCC
 AAAGTCTCCCATCCCTGGTAGGACTGAACACCACAAGGCTGTGCGCGCCAGATACCTAACTCAGATTAG
 CCCCCAAAGAAGGGTGGCAAGGTACAGCTCAGCACAGGACCCTGATGGGCGATGCATTTGTACTGTGGTT
 GCTCCAGAACAAACCTGTGTTCCAGAGATGCCAAAGCAGGCAGCTTCGCCAGCTACTGAAAAAGGTAC
 AGAATATGTCACAGTCTATAGAAGTCTTAACTTGAGAACTCAGAGAGATTTTCAGTATGTCTTAAAAAT
 GGAAACCCAAATGAAAGGGCTGAAGGCCAAGTTTCGGCAGATTGAAGATGATCGGAAGACGCTAATGACC
 AAGCATTTTCAAGAGTTGAAAGAGAAAAATGGATGAGCTACTGCCCTGATCCCAGTGTGGAGCAGTACA
 AAACCGATGCAAAGCTCATCACAGTTCAGGAAGAAATTCGGAACCTGTCTTCAGTCTCTACTGGGAT
 TCAGGAGGAAATTTGGTGCCTATGACTATGAAGAACTTCATCAACGGGTCCTCAGCTTAGAGACCAGGCTT
 CGTGACTGCATGAAAAAGCTAACATGTGGCAAAATTTGATGAAAATCACAGGCCCATCACAGTCAAGACAT
 CTGGAACCTCGATTTGGTCTTGGATGACGGATCCTTTAGCATCTGAAAAGAATAACAGAGTCTGGTATAT
 GGACAGTTATACCAACAATAAATAGTTTCGTGAATACAAGTCCATTGCAGACTTTGTGAGTGGAGCTGAA
 TCAAGGACATACAACCTCCCTTTCAAGTGGCAGGAACAAACCATGTTGTCTACAATGGCTCTCTCTATT
 TTAACAAATATCAGAGTAATATCATCATCAAGTACAGCTTTGACTTAGGGAGAGTGCTAGCCCAAAGAAG
 CCTGGAGTACGCTGGTTTTCAATGTGTACCCCTATACATGGGTGGATTCTCTGACATTGACCTAATG
 GCTGATGAAATTTGGTCTGTGGGCTGTATATGCAACTAACCAGAATGCAGGCAATATTGTCATCAGCCAGC
 TTAATCAAGATACCTTGAGGTGATGAAAGCTGGAGCACTGGCTATCCCAAGAGAAGTCAGGGGAATC
 CTTTCATGATCTGTGGGACTCTGTACGTACCAATTTCCCACTTAACAGGAGCCAAAGTGTATTATTCCTAT
 TCCACAAAACTTCCACATATGAGTACACGGACATCCCCTTCCATAACCAATACTTTACATATCTATGC
 TTGACTACAATGCAAGAGATAGAGCTCTTTATGCCTGGAACAATGGCCACCAGGTCTGTTCAATGTTAC
 CCTGTTCCACATCATTAAAGACTGAAGATGACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

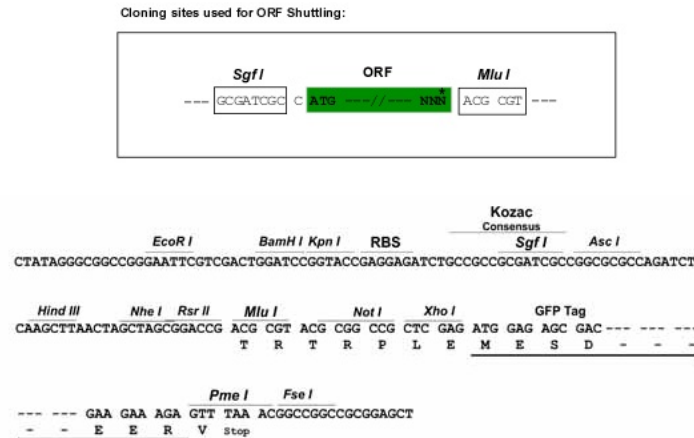
>MG224328 representing NM_153157
 Red=Cloning site Green=Tags(s)

MSAPLLKLGAFLSTMAMISNWSQTLPSLVGLNTRLTQISPKQWQVYSSAQDPDGRICITV
 APEQNLCSRDAKSRQLRQLLEKVNMSQSIEVLNLRQRFQYVLKMETQMKGLKAKFRQIEDDRKTLMT
 KHQELKEKMDLPLIPVLEQYKTDKLTITQFKEEIRNLSSVLGTGIEEIGAYDYELHQRVLSLETRL
 RDCMKKLTGKLMKITGPITVKTSRFGAWMTDPLASEKNNRVWYMSYNNKIVREYKSIADVFSGAE
 SRTYNLPFKWAGTNHVYNGSLYFNKYQSNIIKYSFDLGRVLAQRSLEYAGFHNVPYTWGGFSDIDLM
 ADEIGLWAVYATNQAGNIVISQLNQDTLEVMSWSTGYPKRSAGESFMICGTLVYVNSHLTGAKVYYSY
 STKTSTYEYTDIPFHNQYFHISMLDYNARDRALYAWNNGHQVLFNVTLFHIKTEDDT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_153157

ORF Size: 1434 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_153157.3](#), [NP_694797.1](#)

RefSeq Size: 3928 bp

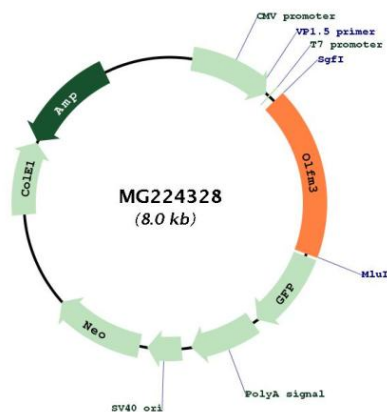
RefSeq ORF: 1437 bp

Locus ID: 229759

UniProt ID: [P63056](#)

Cytogenetics: 3 F3

Product images:



Circular map for MG224328