

Product datasheet for **MR224328**

Olfm3 (NM_153157) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm3 (NM_153157) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfm3
Synonyms:	B230206G02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224328 representing NM_153157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGTGTCCACTGCTGAACTGGGCGCTGTGCTCAGTACCATGGCAATGATCTCAAACCTGGATGTCCC
 AAACCTCTCCCATCCCTGGTAGGACTGAACACCACAAGGCTGTGCGCGCCAGATACCCTAACTCAGATTAG
 CCCCCAAGAAGGGTGGCAAGGTACAGCTCAGCACAGGACCCTGATGGGCGATGCATTTGTACTGTGGTT
 GCTCCAGAACAAAACCTGTGTTCCAGAGATGCCAAAAGCAGGCAGCTTCGCCAGCTACTGAAAAAGGTAC
 AGAATATGTCACAGTCTATAGAAGTCTTAACTTGAGAACTCAGAGAGATTTTCAGTATGTCTTAAAAAT
 GGAAACCCAAATGAAAGGGCTGAAGGCCAAGTTTCGGCAGATTGAAGATGATCGGAAGACGCTAATGACC
 AAGCATTTTCAAGAGTTGAAAGAGAAAAATGGATGAGCTACTGCCCTGATCCCAGTGTGGAGCAGTACA
 AAACCGATGCAAAGCTCATCACAGTTCAAGGAAGAAATTCGGAACCTGTCTTCAGTCTCACTGGGAT
 TCAGGAGGAAATTTGGTGCCTATGACTATGAAGAACTTCATCAACGGGTCCTCAGCTTAGAGACCAGGCTT
 CGTGACTGCATGAAAAAGCTAACATGTGGCAAAATTTGATGAAAATCACAGGCCCATCACAGTCAAGACAT
 CTGGAACCTCGATTTGGTCTTGGATGACGGATCCTTTAGCATCTGAAAAGAATAACAGAGTCTGGTATAT
 GGACAGTTATACCAACAATAAAATAGTTTCGTGAATACAAGTCCATTGCAGACTTTGTGAGTGGAGCTGAA
 TCAAGGACATACAACCTCCCTTTCAAGTGGCAGGAACAAACATGTTGTCTACAATGGCTCTCTCTATT
 TTAACAAATATCAGAGTAATATCATCATCAAGTACAGCTTTGACTTAGGGAGAGTGCTAGCCCAAAGAAG
 CCTGGAGTACGCTGGTTTTCAATGTGTACCCCTATACATGGGTGGATTCTCTGACATTGACCTAATG
 GCTGATGAAATTTGGTCTGTGGGCTGTATATGCAACTAACCAGAATGCAGGCAATATTGTCATCAGCCAGC
 TTAATCAAGATACCTTGGAGGTGATGAAAAGCTGGAGCACTGGCTATCCCAAGAGAAGTGCAGGGGAATC
 CTTTCATGATCTGTGGGACTCTGTACGTACCAATTCCCACTTAACAGGAGCCAAAGTGTATTATTCCTAT
 TCCACAAAACTTCCACATATGAGTACACGGACATCCCCTTCCATAACCAATACTTTACATATCTATGC
 TTGACTACAATGCAAGAGATAGAGCTCTTTATGCCTGGAACAATGGCCACCAGGTCTGTTCAATGTTAC
 CCTGTTCCACATCATTAAAGACTGAAGATGACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224328 representing NM_153157
 Red=Cloning site Green=Tags(s)

MSAPLLKLGAVLSTMAMISNWSQTLPSLVGLNTRLTQISPKQWQVYSSAQDPDGRICITV
 APEQNLCSRDAKSRQLRQLLEKVNMSQSIQVNLNLTQVDFQYVLKMETQMKGLKAKFRQIEDDRKTLMT
 KHQELKEKMDLLPLIPVLEQYKTDKLTITQFKEEIRNLSSVLGTIQEEIGAYDYEEHLHQRVLSLETRL
 RDCMKKLTGKLMKITGPIVKTSGTRFGAWMTDPLASEKNRNVWYMSYTNKIVREYKSIADFSVGA
 SRTYNLPFKWAGTNHVVYNGSLYFNKYQSNIIKYSFDLGRVLAQRSLEYAGFHNVPYTWGGFSDIDLM
 ADEIGLWAVYATNQNAGNIVISQLNQDTLEVMSKSWSTGYPKRSAGESFMICGTLVYTNHLTGAKVYYSY
 STKTSTYEYTDIPFHNQYFHISMLDYNARDRALYAWNNGHQVLFNVTLFHIKTEDDT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

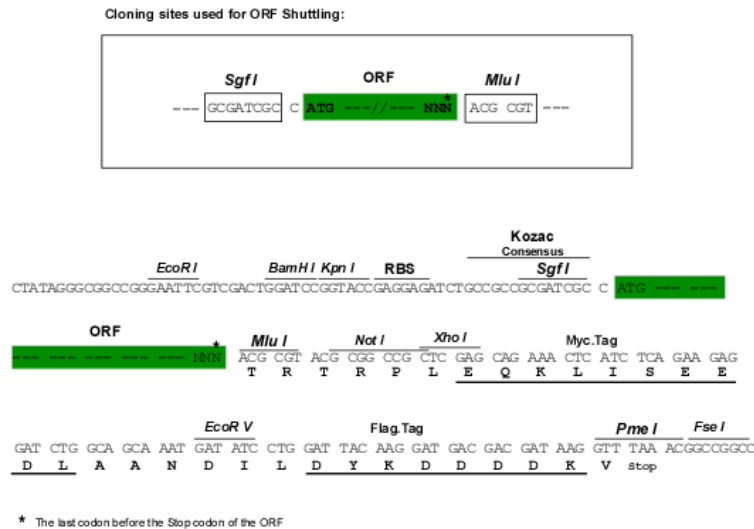
Chromatograms:

https://cdn.origene.com/chromatograms/mm9007_f08.zip

Restriction Sites:

SgfI-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

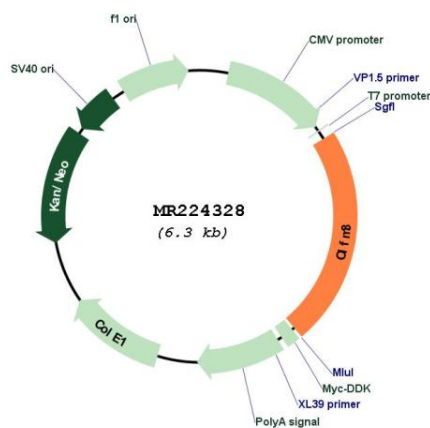
Locus ID: 229759

UniProt ID: [P63056](#)

Cytogenetics: 3 F3

MW: 55.3 kDa

Product images:



Circular map for MR224328