

Product datasheet for **MR223035**

Olfm4 (NM_001030294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm4 (NM_001030294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfm4
Synonyms:	GC1; Gm296; Gm913; GW112; OlfD; pPD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223035 representing NM_001030294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTTACAGCCTTCTCTTTCTCTGCGCCTTACAGTTCTGCCTTGGCTCTGCCTCCCGGACAACCTCTGA
 CCTCTGCACATTCGCGGAATTGACCACACCTCCAACATCACCCAGGCTACAGCTGCCTGGTTGCCTCC
 GGGAGGCACTTCTGGGAGAAGGTGGGACTGTGTCTCAGCCACTTTCCAATTTACTGGGTCTGTGGAC
 AGCCATGGGACCTGCCAGTGTCTGTTTCCCTGCCGGATACCGCCTTTCCGCTGACAGAGTGGAGCGCT
 TAGAGTACACAGCTCACATCCTTTCTCAGAAAATTCGAGAGAGAGTTTTCTAAGGTGAAGGAGTATGTCCA
 GCTAATAAGTGTGTATGAGAAGAGGCTCCTGAACCTGACGGTCCGAGTAGAGGTATGGAGAAGGACAGC
 ATCTCTTACACAGAAGTGGACTTTGAGTTGATCAAGCTGGAAGTGAAGGAGATGCAAAAAGTGGTCTTAC
 AGCTGAAGAAGAATTTTGTGGAAGTACACATATTATTGACATGCTCGAAGTGGAGATAAGGAATATGAC
 CCTCTTGGTAGAGAAGCTGGAGTCTCTAGACAAAACAATGTCCTTAGCATTGCGCGCCAGATCTTGGCT
 CTGAAGACCAAGCTGAAAGAATGTGAGGCTCCAAAAGTACCTTGTGCCTGCCACACCCCTCCTCCTG
 CTCTGGAAAGCTGTTAGGAGCAGCTGGAAGTATCCTCTGGATCCTGAACTTTTGGTGCTTTTCTCTTTT
 CCACCAGCACACGAAAAATGTTTCATTGGCCCTTGAAGCTGTAGTCATGGTGGCGTGGTGAACATCAGC
 GCTCCTTCTGTGATTCAGCTCAACTGGCTGGGTTTGTATATAAATATGGTGCCTGGGGCCGAGATTACT
 CTCCTCAGCATCCAGAGAGAACCCTGTACTGGTGGCACCTTTGAATACAGATGCAAGGGCTCTAGAGTA
 TTACAGACTTTACGACTCATTGGACAATTTGTTAATCTATTCCCCTTCCGAGACTATCGGATTCGCTAT
 GGCCAAGGAGGTGGTACAGTAGCATTCAACAACAACCTGTATGTGAATGGTACAATGGGGGAACATTG
 CAAAAATTAATCTAACTACCAATGTAGTTGATGTGAATCGGCCCTCCCTCTGGCTGCCTACAATAATCG
 CTCTCATATGCTAATGTGAATGGCAAGACATTGACCTTGTCTGGATGAGCAAGCACTGTGGCAATT
 TATGCAACTGAGGCCAGCACTGGTAACATAGTGATTAGTAACTCAATGACACCCTCTTGGGTGATAA
 GCCTTGGGTTACCAAGCAGTACAAGCCATCTGTTTCGAATGCCTTCATGGTATGTGGAGTCTTTATGC
 TACTCGCACTTTGAACACCAAAACAGAAGAGATCTTTTACTATTATGACACAAACACAGAGAGGGAAGGC
 AACCTAGGCATACAATGAGAAAGATGCAGGAAAGAATTCAGAGCATCAATTACCATCCCTTTGACCAAA
 AACTTTATGTCTATAATGATGGTTATCTTCTGAACTATGATCTTGTCTTCTTACAGACGCCAGGCAACC
 TGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223035 representing NM_001030294
 Red=Cloning site Green=Tags(s)

MSYLLFLLALQFCLGSASRTTLLSAHSRELTPPTSPQATAAWLPPGGTSWAEGGTVSQPLSNFTGSVD
 SHGTCQCSVSLPDTAFPADRVERLEYTAHILSQKFEREFKVKYEVYQLISVYEKRLNLTVRVEVMEKDS
 ISYTELDFELIKLEVKEMQKLVLQKKNFVGSTHIDMLEVEIRNMTLLVEKLESLDQNNVLSIRRQILA
 LKTKLKECEASKSDLVPATPPPPAPGKLLGAAGSILWILNFWCFSLFHQHTQNVSLALGSCSHGGVVNIS
 APSVIQLNWLGFYKYGAWGRDYSQHPERTLYWVAPLNTDARALEYRLLYDSLNLIIYSHFRDYRIRY
 GQGGGTVAFNNLNVNWNNGGNIKINLTTNVVDVNRPLPLAAYNNRFSYANVNWQDIDLAVDEQALWAI
 YATEASTGNIVISKLNDDTTLEVISTWVTKYKPSVSNAFMVCGLYATRLLNTKTEEIFYDYDTNTEREG
 NLGITMRKMQERIQSINYHPFDQKLYVYNDGYLLNYDLVFLQTPRPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9033_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001030294

ORF Size: 1614 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.

RefSeq: [NM_001030294.1](#), [NP_001025465.1](#)

RefSeq Size: 1640 bp

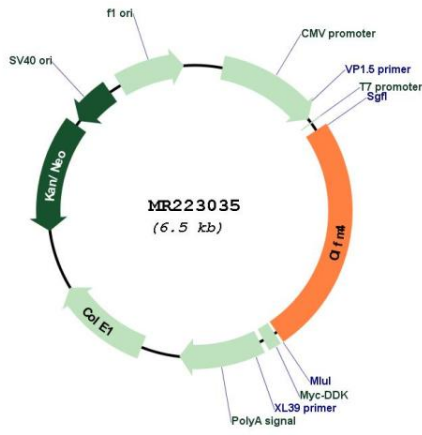
RefSeq ORF: 1617 bp

Locus ID: 380924

Cytogenetics: 14 D3

MW: 61.4 kDa

Product images:



Circular map for MR223035