

Product datasheet for **MG223035**

Olfm4 (NM_001030294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm4 (NM_001030294) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Olfm4
Synonyms:	GC1; Gm296; Gm913; GW112; OlfD; pPD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223035 representing NM_001030294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTACAGCCTTCTCTTTCTCTGCGCCTTACAGTTCTGCCTTGGCTCTGCCTCCCGGACAACCTCTGA
 CCTCTGCACATTCGCGGAATTGACCACACCTCCAACATCACCCAGGCTACAGCTGCCTGGTTGCCTCC
 GGGAGGCACTTCTGGGCGAAGGTGGGACTGTGTCTCAGCCACTTTCCAATTTACTGGGTCTGTGGAC
 AGCCATGGGACCTGCCAGTGTCTGTTTCCCTGCCGGATACCGCCTTTCCCGCTGACAGAGTGGAGCGCT
 TAGAGTACACAGCTCACATCCTTTCTCAGAAAATTCGAGAGAGAGTTTTCTAAGGTGAAGGAGTATGTCCA
 GCTAATAAGTGTGTATGAGAAGAGGCTCCTGAACCTGACGGTCCGAGTAGAGGTATGGAGAAGGACAGC
 ATCTCTTACACAGAAGTGGACTTTGAGTTGATCAAGCTGGAAGTGAAGGAGATGCAAAAAGTGGTCTTAC
 AGCTGAAGAAGAATTTTGTGGAAGTACACATATTATTGACATGCTCGAAGTGGAGATAAGGAATATGAC
 CCTCTTGGTAGAGAAGCTGGAGTCTCTAGACAAAACAATGTCCTTAGCATTGCGCGCCAGATCTTGGCT
 CTGAAGACCAAGCTGAAAGAATGTGAGGCTCCAAAAGTACCTTGTGCCTGCCACACCCCTCCTCCTG
 CTCTGGAAAGCTGTTAGGAGCAGCTGGAAGTATCCTCTGGATCCTGAACTTTTGGTGCTTTTCTCTTTT
 CCACCAGCACACGAAAATGTTTCATTGGCCCTTGAAGCTGTAGTCATGGTGGCGTGGTGAACATCAGC
 GCTCCTTCTGTGATTCAGCTCAACTGGCTGGGGTTTGTATAAAATATGGTGCCTGGGGCCGAGATTACT
 CTCCTCAGCATCCAGAGAGAACCCTGTACTGGTGGCACCTTTGAATACAGATGCAAGGGCTCTAGAGTA
 TTACAGACTTTACGACTCATTGGACAATTTGTTAATCTATTCCCCTCCGAGACTATCGGATTCGCTAT
 GGCCAAGGAGGTGGTACAGTAGCATTCAACAACAACCTGTATGTGAATTGGTACAATGGGGGAACATTG
 CAAAATAATTAACCTAACCAATGTAGTTGATGTGAATCGGCCCTCCCTCTGGCTGCCTACAATAATCG
 CTCTCATATGCTAATGTGAATTGGCAAGACATTGACCTTGTCTGGATGAGCAAGCACTGTGGCAATT
 TATGCAACTGAGGCCAGCACTGGTAACATAGTGATTAGTAACTCAATGACACCCTCTTGGGTGATAA
 GCACCTGGGTTACCAAGCAGTACAAGCCATCTGTTTCGAATGCCTTCATGGTATGTGGAGTCTTTATGC
 TACTCGCACTTTGAACACCAAAACAGAAGAGATCTTTTACTATTATGACACAAACACAGAGAGGGGAAGGC
 AACCTAGGCATACAATGAGAAAGATGCAGGAAAGAATTCAGAGCATCAATTACCATCCCTTTGACCAAA
 AACTTTATGTCTATAATGATGGTTATCTTCTGAACATGATCTTGTCTTCTTACAGACGCCAGGCAACC
 TGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223035 representing NM_001030294
 Red=Cloning site Green=Tags(s)

MSYLLFLLALQFCLGSASRTTLLSAHSRELTTPPTSPQATAAWLPPGGTSWAEGGTVSQPLSNFTGSVD
 SHGTCQCSVSLPDTAFPADRVERLEYTAHILSQKFEREFKVKKEYVQLISVYEKRLNLTVRVEVMEKDS
 ISYTELDFELIKLEVKEMQKLVLQKKNFVSTHIIIDMLEVEIRNMTLLVEKLESLDQNNVLSIRRQILA
 LKTKLKECEASKSDLVPATPPPPAPGKLLGAAGSILWILNFWCFSLFHQHTQNVSLALGSCSHGGVYVNI
 APSVIQLNWLGFYKYGAWGRDYSQPHERTLYWVAPLNTDARALEYRLYDSLNDLLIYSHFRDYRIRY
 GQGGGTVAFNNNLVYVWYNGGNIKINLTTNVVDVNRPLPLAAYNNRFSYANVNWQDIDLAVDEQALWAI
 YATEASTGNIVISKLNDTTLEVISTWVTKQYKPSVSNAFMVCGLYATRTLNTKTEEIFYDYDTNTEREG
 NLGITMRKMQERIQSINYHPFDQKLYVYNDGYLLNYDLVFLQTPRPV

TRTRPLE – GFP Tag – V

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](#)

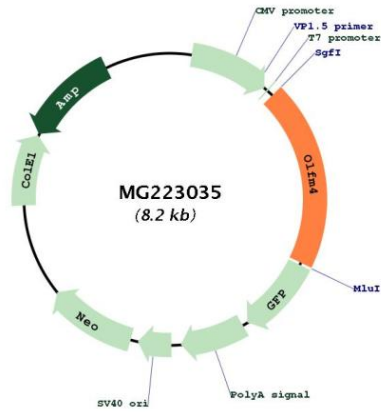
RefSeq Size: 1640 bp

RefSeq ORF: 1617 bp

Locus ID: 380924

Cytogenetics: 14 D3

Product images:



Circular map for MG223035