

Product datasheet for **MR210434**

Olfml2b (NM_177068) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfml2b (NM_177068) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfml2b
Synonyms:	1110018N05Rik; 4832415H08Rik; AI467542
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210434 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGCCTATCCCCTGCCATTGGTTCTCTGCTTTGCTCTGGTGGTGGCACAGGTCTGGGGTCCACTACAC
CTCCACAGGGACAAGCGAGCCCCCTGATGTGCAAACAGTGGAGCCACGGAAGATGACATTCTGCAAAA
CGAGGCGGACAACCAGGAGAACGTTTATCTCAGCTGCTGGGAGACTATGACAAGGTCAAGGCTGTGTCT
GAGGGCTCTGACTGTCAAGTGTGTTGGTGGAGACCGCTGGGCCGAGATGCCTGCCAGAGGATCAACC
AGGGGGCTTCCAGGAAGGAAGACTTCTACACTGTGAAACCATCACCTCGGGCTCATCTGTAAATGTGC
TTGTGTTGCTCCTCCGTCTGCCGTCAATCCCTGTGAGGGAGACTTCAGGCTCCAGAAGCTTCGGGAGGCT
GACAGCCGAGATTTGAAGCTGTCTACAATTATAGACATGTTGGAAGGTGCTTTCTACGGCTGGACCTCC
TAAAGCTGCATTCGGTTACCACTAAACTCGTGGGCGAGTGGATAAACTGGAGGAGGAAGTCTCTAAGAA
CCTCACCAGGAGAATGAGCAAATCAAAGAGGACGTGGAAGAAATCCGAACGGAGCTGAACAAGCGAGGC
AAGGAGAACTGCTCTGACAACACCTAGAGAGCATGCCAGACATCCGCTCAGCCCTGCAGAGGGATGCGG
CTGCAGCCTACGCCCACCCAGAGTATGAAGAACGGTTTCTGCAGGAGGAACTGTGTACAGCAGATCAA
CTCCATCGAACTCCTGAGGACGACGCACTGGTCCCTCCTGCAGCGATGAAGCCGAGCGGCCCTGCAG
AGACAGGTGCACCTGAGAGGTGCGCTGGCTCCAAGCCCACCGTCATCAGGGGAATCACCTACTATAAAG
CCAAGGTCTCTGAGGAGGAAAATGACATAGAAGAGCAGCACGATGAGCTTTTCAGTGGCGACAGTGGAGT
GGACTTGTCTGATAGAAGTACAGTTCTAAGACAGGAAGACCTACTGACAAGTGCCACCCGGAGGCCAGCA
ACCACTCGTCACACTGCTGCTGTACGACTGATGCGAGCATTAGGCCGAGCCTCATCTCAGAGCCTG
CACAGCCTCTGCCTCAGCATCCAGCTTTGTTGAGCCTGCTCCTCAGGCCTCCGATAGAGAGCTCTTGGC
AACCCCAAGAGTACCACAGTGTTCAGAGCCACGGGGGTGATGCCTTCTACCCAAGTCTCACCCACC
ACCGTGGCCACACAGCTGTCCAGCCACTTCCAGCAATGGTTCTGCGGACATATTTGTGAAGCTCTAC
CCTTGGTCCCTCTGTTACCTGACACAGTTGGGACAGACATGCCAGAGGAAGAGGGGACTGCAGGGCAGGA
AGCAACCTCTGCTGGTCCCATCCTGAGCCCTGAAGAAGAAGATGACATTCGGAATGTGATAGGAAGGTGC
AAGGACACCTCTCTACAATCACAGGACCGACCCAGAACACATATGGACGGAATGAAGGGGCTGGA
TGAAGGACCCCTAGCCAAGGACGACCGCATTTACGTAACCAACTATTACTATGGCAACACACTGGTCGA
GTTCCGAAACCTGGAGAACTTCAAACAAGGTGCTGGAGCAATTCCTACAAGCTTCCATACAGCTGGATC
GGCAGGGGTACGTGGTCTACAACGGCGCCTTCTACTATAACCGGGCCTTCAACCGAAACATCATCAAGT
ATGACCTGAAGCAGCGTTATGTGGCTGCCTGGGCCATGCTGCACGATGTGGCCTATGAGGAGGCCACTCC
TTGGCGGTGGCAGGGTCACTCGGATGTGGACTTTGCTGTGGATGAGAATGGCCTGTGGCTTATCTACCCA
GCTCTGGATGATGAAGGTTTCAACCAGGAGGTCAATGTCTGAGCAAGCTCAATGCCGTGGACCTGAGCA
CGCAGAAGGAGACCAGTGGCGCACTGGGCTCCGGAGGAATTTCTATGGCAACTGCTTTGTCTGTGTGG
GGTACTATATGCTGTGGACAGCTATAACCAGAGGAATGCCAACATCTCCTATGCCTTTGACACACACACC
AACACACAGATTGTCCCTAGGCTGCTGTTTGAGAATGAATATTCGTACACCACCCAGATAGACTACAACC
CCAAGGACCGCTCCTCTATGCCTGGGACAATGGCCACCAGGTCACCTACCATGTCTCTTTGCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210434 protein sequence
 Red=Cloning site Green=Tags(s)

MAYPLPLVLCFALVVAQVWGSTTPPTGTSEPPDVQTVTEPTEDDILQNEADNQENVLSQLLGDYDKVKA
 EGSDCQCKCVVRPLGRDACQRINQGASRKEDFYTVETITSGSSCKCACVAPPSAVNPCEGDFRLQKLREA
 DSRDLKLSIIDMLEGAFYGLDLLKLSVTTKLVGRVDKLEEEVSKNLTKENEQIKEDVEEIRTELNKR
 KENCSDNTLESMPDIRSALQRDAAAAYAHPEYEERFLQEETVSQQINSIELLRQTQPLVPPAAMKQRP
 RQVHLRGRRLASKPTVIRGITYYKAKVSEENDIEEQHDELFSGDSGVDLLIEDQLLRQEDLLTSATRR
 TTRHTAAVTTDASIQAAAASSEPAQASASASSFVEPAPQASDRELLATPQTTFVPEPTGVPSTQVSPT
 TYAHTAVQPLPAMVPGDIFVEALPLVPLLPDTVGTDMPEEEGTAGQEATSAGPILSPEEDDIRNVIGRC
 KDTLSTITGPTTQNTYGRNEGAWMKDPLAKDDRIYVTNYYGNTLVEFRNLENFKQGRWSNSYKLPYSWI
 GTGHVVYNGAFYYNRAFTRNIIKYDLKQRYVAAWAMLHDVAYEEATPWRWQGHSDVDFAVDENGLWLIYP
 ALDDEGFNQEVIVLSKLNVDLSTQKETTWRGLRRNFYGNCFVICGVLAYVDSYNQRNANISYAFDTH
 NTQIVPRLLFENEYSYTTQIDYNPKDRLLYAWDNGHQVTYHVIFAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_177068

ORF Size: 2238 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_177068.3](#), [NP_796042.2](#)

RefSeq Size: 3105 bp

RefSeq ORF: 2241 bp

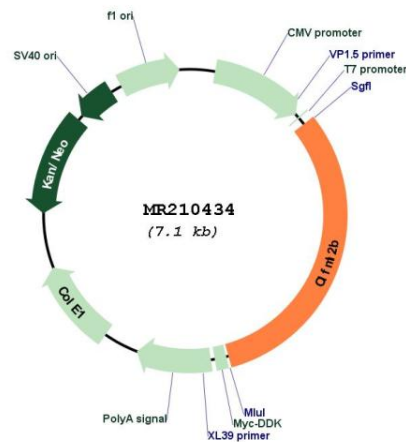
Locus ID: 320078

UniProt ID: [Q3V1G4](#)

Cytogenetics: 1 H3

MW: 83.4 kDa

Product images:



Circular map for MR210434