

Product datasheet for **RC209588**

OLFML2B (NM_015441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OLFML2B (NM_015441) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OLFML2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209588 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGCCAAGCCTCGGCTGCTAGTTCTCTACTTCGCTCTGATTGTGGTTCCGGCCTGGGTGTCCAGCATTG
 TCCTCACAGGGACAAGCAGAGCCCCAGATGCGCAGACAGTGGCGCCTGCGGAGGACGAGACTCTGCAAAA
 CGAGGCGGACAACCAGGAGAAGCTTTTATCTCAGTTGCTGGGGGACTATGACAAGGTCAAGGCTATGTCT
 GAGGGCTCGGACTGTCAAGTGTGTGGTGAGACCCCTGGGCGGGATGCCTGCCAGAGGATCAATG
 CGGGGGCTCCAGGAAGGAAGACTTCTATACCGTGGAAACCATCACCTCAGGCTCGTCGTCAAGTGTGC
 CTGTGTAGCACCCCCATCGGCCCTCAATCCCTGCGAGGGAGACTTCAGGCTCCAGAAGCTCGGGAGGCA
 GACAGCCAGGACTGAAGCTCTCCACAATCATAGACATGTTGGAAGGAGCGTTCTATGGCCTGGATCTCC
 TGAAGCTACATTCAGTCACCACAACTGGTGGGCGAGTGGATAAACTGGAGGAGGAAGTGTCTAAAAA
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 CTTTGCCTAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC209588 protein sequence
 Red=Cloning site Green=Tags(s)

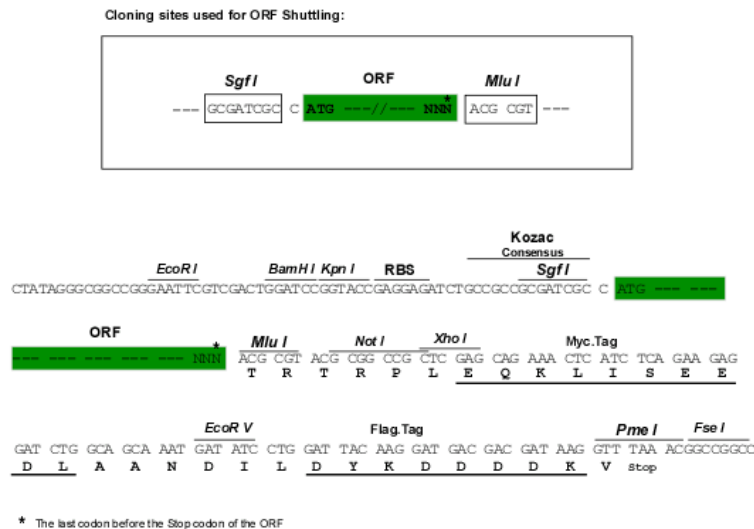
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 KENCSENILDSMPDIRSALQRDAAAAYAHPEYEERFLQEETVSQQINSIELLQTRPLALPEVVKSRPLQ
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 ATRQGHSTAVTSDLNARTAPWSSALPQPSTSDPSIANHASVGPTLQTTSPDPPTRESVLQPSPQVPATT
 VAHTATQQPAAPAPPAVSPREALMEAMHTVPVPPTTVRTDSL GKDAPAGWGTPASPTLSPEEEDDIRNV
 IGRCKDTLSTITGPTTQNTYGRNEGAWMKDPLAKDERIYVTNYYYGNTLVEFRNLENFKQGRWSNSYKLP
 YSWIGTGHVVYNGAFYYNRAFTRNIIKYDLKQRYVAAWMLHDVAYEEATPWRWQGHSDVDFAVDENGWL
 LIYPALDDEGFSQEVIVLSKLNADLSTQKETTWRGLRRNFYGNCFVICGVL YAVDSYNQRNANISYAF
 DTHNTNTQIVPRLLFENEYSYTTQIDYNPKDRLLYAWDNGHQVTVHYVIFAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6527_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015441

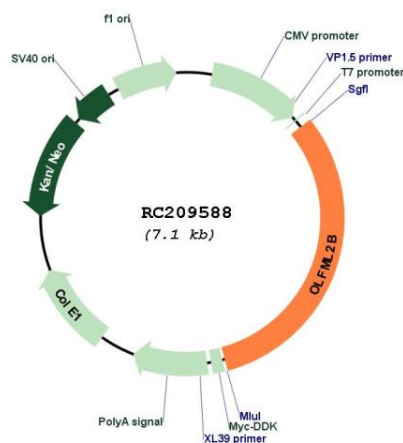
ORF Size: 2250 bp

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](#)

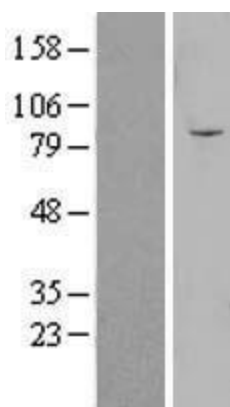
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_015441.1, NP_056256.1</u>
RefSeq Size:	3796 bp
RefSeq ORF:	2253 bp
Locus ID:	25903
UniProt ID:	<u>Q68BL8</u>
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, Transmembrane
MW:	84 kDa
Gene Summary:	This gene encodes an olfactomedin domain-containing protein. Most olfactomedin domain-containing proteins are secreted glycoproteins. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RC209588



Western blot validation of overexpression lysate (Cat# [LY414541]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209588 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).