

Product datasheet for **RG209588**

OLFML2B (NM_015441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OLFML2B (NM_015441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OLFML2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG209588 representing NM_015441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCAAGCCTCGGCTGCTAGTTCTCTACTTCGCTCTGATTGTGGTTCCGGCCTGGGTGTCCAGCATTG
 TCCTCACAGGGACAAGCGAGCCCCAGATGCGCAGACAGTGGCGCCTGCGGAGGACGAGACTCTGCAAAA
 CGAGGCGGACAACCAGGAGAACGTTTTATCTCAGTTGCTGGGGGACTATGACAAGGTCAAGGCTATGTCT
 GAGGGCTCGGACTGTCAAGTGTGTGGTGAGACCCCTGGGCCGGGATGCCTGCCAGAGGATCAATG
 CGGGGGCCTCCAGGAAGGAAGACTTCTATACCGTGGAAACCATCACCTCAGGCTCGTCGTCAAGTGTGC
 CTGTGTAGCACCCCCATCGGCCCTCAATCCCTGCGAGGGAGACTTCAGGCTCCAGAAGCTCGGGAGGCA
 GACAGCCAGGACTGAAGCTCTCCACAATCATAGACATGTTGGAAGGAGCGTTCTATGGCCTGGATCTCC
 TGAAGCTACATTCAGTCACCACAACTGGTGGGCGAGTGGATAAACTGGAGGAGGAAGTGTCTAAAAA
 CCTCACCAAGGAAAACGAACAAATCAAAGAGGACATGGAAGAAATTCGAACCGAGATGAATAAGCGAGGC
 AAAGAAAATTGCTCTGAAACATCCTAGATAGCATGCCAGACATCCGCTCAGCCCTGCAGAGGGATGTCAG
 CAGCAGCTACGCCCACCCAGAGTATGAAGAGCGGTTTCTGCAGGAAGAAACCGTGTCCCAGCAGATCAA
 CTCCATCGAATTCTGCAGACGCGACCCCTGGCTCTGCCTGAGGTGGTGAAGTCACAGCGGCCCTGTCAG
 AGGCAGGTCCACCTGAGAGGCGCGCCGGCTCCAGCCCACTGTCATCCGGGGCATCACCTACTATAAAG
 CCAAGGTCTCTGAAGAAGAGAATGACATTGAAGAGCAGCAAGATGAGTTTTTCAGCGGTGACAATGGAGT
 GGATTTGCTGATTGAAGATCAGTCTGAGACACAACGGCCTGATGACCAGTGTACCCGGAGGCCTGCA
 GCCACCCGTGAGGACACAGCACTGCTGTGACAAGCGACCTGAACGCTCGGACCGCACCTGGTCTCAG
 CACTGCCACAGCCCTCGACCTCAGATCCAGCATCGCCAACCATGCCTCAGTGGGACCAACACTCCAAAC
 AACCTCGGTGTCTCCAGATCCCACAAGGGAGTCAGTCTGCAGCCTTCTCCTCAGGTACCAGCCACCACT
 GTGGCCACACAGCCACCCAGCAACCAGCAGCCCCAGCTCCTCCGGCAGTGTCTCCAGGAGGCATTGA
 TGGAAGCTATGCACACAGTCCCAGTGCCTCCCACCACAGTCAGAACAGACTCGCTGGGGAAGATGCTCC
 TGCTGGGTGGGAACAACCCCTGCCAGCCCCACGCTGAGCCCCGAAGAAGAAGATGACATCCGGAATGTC
 ATAGGAAGGTGCAAGGACACTCTCTCCACAATCACGGGGCCGACCACCCAGAACACATATGGGCGGAATG
 AAGGGGCTGGATGAAGGACCCCTGGCCAAGGATGAGCGGATTTACGTAACCAACTATTACTACGGCAA
 CACCCTGGTAGAGTTCCGGAACCTGGAGAACTTCAAACAAGGTCGCTGGAGCAATTCCTACAAGCTCCCG
 TACAGCTGGATCGGCACAGGCCACGTGGTATACAATGGCGCCTTCTACTACAATCGCGCCTTCACCCGCA
 ACATCATCAAGTACGACCTGAAGCAGCGCTACGTGGCTGCCTGGGCCATGCTGCATGACGTGGCCTACGA
 GGAGGCCACCCCTGGCGATGGCAGGGCCACTCAGACGTGGACTTTGCTGTGGACGAGAATGGCCTATGG
 CTCATCTACCCGGCCCTGGACGATGAGGGCTTCAGCCAGGAGGTCAATGTCTGAGCAAGCTCAATGCCG
 CGGACCTGAGCACACAGAAGGAGACCACATGGCGCACGGGGCTCCGGAGGAATTTCTACGGCAACTGCTT
 CGTCATCTGTGGGTGCTGTATGCCGTGGATAGCTACAACCAGCGGAATGCCAACATCTCTACGCTTTC
 GACACCCACACCAACACACAGATCGTCCCAGGCTGCTGTTGAGAATGAGTATTCCTATACGACCCAGA
 TAGACTACAACCCCAAGGACCGCTGCTCTATGCCTGGGACAATGGCCACCAGGTCACTTACCATGTCAT
 CTTTGCCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209588 representing NM_015441
 Red=Cloning site Green=Tags(s)

MAKPRLLVL YFALIVPAWVSSIVLTGTSEPPDAQTVAPAEDETLQNEADNQENVLSQLLGDYDKVKAMS
 EGSDCQCKCVVRPLGRDACQRINAGASRKEDFYTVETITSGSSCKCACVAPPSALNPCEGDFRLQKLREA
 DSQDLKLSITIDMLEGAFYGLDLLKLSVTTKLVGRVDKLEEEVSKNLTKENEQIKEDMEEIRTEMNKRK
 KENCSENILDSMPDIRSALQRDAAAAYAHPEYEERFLQEETVSQQINSIELLQTRPLALPEVVKSRPLQ
 RQVHLRGRPASQPTVIRGITYYKAKVSEEENDIEEQDEFFSGDNGVDLLIEDQLLRHNGLMTSVTRRPA
 ATRQGHSTAVTSDLNARTAPWSSALPQPSTSDPSIANHASVGPTLQTTSPDPPTRESVLQPSPQVPATT
 VAHTATQQPAAPPAVSPREALMEAMHTVPVPPTTVRTDSLGDAPAGWGTTTPASPTLSPEEEDDIRNV
 IGRCKDTLSTITGPTTQNTYGRNEGAWMKDPLAKDERIYVTNYYYGNTLVEFRNLNFKQGRWSNSYKLP
 YSWIGTGHVVYNGAFYYNRAFTRNIIKYDLKQRYVAAWMLHDVAYEEATPWRWQGHSDVDFAVDENGLW
 LIYPALDDEGFSQEVIVLSKLNAADLSTQKETTWRGLRRNFYGNCFVICGVLAYVDSYNQRNANISYAF
 DTHNTQIVPRLLFENEYSYTTQIDYNPKDRLLYAWDNGHQVTVHYVIFAY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015441

ORF Size: 2250 bp

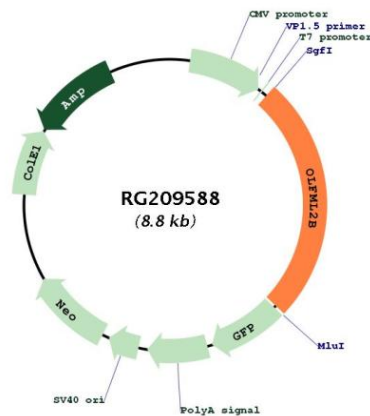
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	3240 bp
RefSeq ORF:	2253 bp
Locus ID:	25903
UniProt ID:	<u>Q68BL8</u>
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, Transmembrane
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 RG209588