

## Product datasheet for **SC304317**

### **OLFML2B (NM\_015441) Human Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >SC304317 representing NM\_015441.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCAAGCCTCGGCTGCTAGTTCTCTACTTCGCTCTGATTGTGGTTCCGGCCTGGGTGTCCAGCATT
GTCTCACAGGGACAAGCGAGCCCCAGATGCGCAGACAGTGGCGCCTGCGGAGGACGAGACTCTGCAA
AACGAGGCGGACAACCAGGAGAACGTTTTATCTCAGTTGCTGGGGGACTATGACAAGGTCAAGGCTATG
TCTGAGGGCTCGGACTGTCAGTCAAGTGTGTGGTGAGACCCCTGGGCGGGATGCCTGCCAGAGGATC
AATGCGGGGGCCTCCAGGAAGGAAGACTTCTATACCGTGAAACCATCACCTCAGGCTCGTCGTGCAAG
TGTGCCTGTGTAGCACCCCCATCGGCCCTCAATCCCTGCGAGGGAGACTTCAGGCTCCAGAAGCTGCGG
GAGGCAGACAGCCAGGACTTGAAGCTCTCCACAATCATAGACATGTTGGAAGGAGCGTTCTATGGCCTG
GATCTCCTGAAGCTACATTCAGTCACCACAACTGGTGGGGCGAGTGGATAAAGTGGAGGAGGAAGTG
TCTAAAAACCTCACCAGGAAAAATGAACAAATCAAAGAGGACATGGAAGAAATTCGAACCGAGATGAAT
AAGCGAGGCAAGAAAAATTGCTCTGAAACATCCTAGATAGCATGCCAGACATCCGCTCAGCCCTGCAG
AGGGATGCAGCAGCAGCCTACGCCACCCAGAGTATGAAGAGCGGTTTCTGCAGGAAGAAACCGTGTCC
CAGCAGATCAACTCCATCGAACTTCTGCAGACGCGACCCCTGGCTCTGCCTGAGGTGGTGAAGTCACAG
CGGCCCTGCAGAGGCAGGTCCACCTGAGAGGCCGGCCGGCTCCAGCCCACTGTATCCGGGGCATC
ACCTACTATAAAGCCAAGGTCTCTGAAGAAGAGAATGACATTGAAGAGCAGCAAGATGAGTTTTTCAGC
GGTGACAATGGAGTGGATTTGCTGATTGAAGATCAGCTCCTGAGACACAACGGCCTGATGACCAGTGTC
ACCCGGAGGCCTGCAGCCACCCGTCAGGGACACAGCACTGCTGTGACAAGCGACCTGAACGCTCGGACC
GCACCTTGGTCTCAGCACTGCCACAGCCCTCGACCTCAGATCCCAGCATCGCCAACCATGCCTCAGTG
GGACCAACACTCCAAACAACCTCGGTGTCTCAGATCCCACAAGGGAGTCAGTCTGCAGCCTTCTCCT
CAGGTACCAGCCACCACTGTGGCCACACAGCCACCCAGCAACCAGCAGCCCAAGCTCCTCCGGCAGTG
TCTCCAGGGAGGCATTGATGGAAGCTATGCACACAGTCCAGTGCCTCCACCCAGTCAGAACAGAC
TCGCTGGGGAAGATGCTCCTGTGGTGGGGAACAACCCCTGCCAGCCCAAGCTGAGCCCCGAAGAA
GAAGATGACATCCGAATGTCTAGGAAGGTGCAAGGACACTCTCTCCACAATCACGGGGCCGACCACC
CAGAACACATATGGCGGAATGAAGGGGCTGGATGAAGGACCCCTGGCCAAGGATGAGCGGATTTAC
GTAACCAACTATTACTACGGCAACACCCTGGTAGAGTTCCGGAACCTGGAGAATTCAAACAAGGTCGC
TGGAGCAATTCTACAAGCTCCCGTACAGCTGGATCGGCACAGGCCACGTGGTATACAATGGCGCCTTC
TACTACAATCGCGCTTACCCGCAACATCATCAAGTACGACCTGAAGCAGCGCTACGTGGCTGCCTGG
GCCATGCTGCATGACGTGGCCTACGAGGAGGCCACCCCTGGCGATGGCAGGGCCACTCAGACGTGGAC
TTTGCTGTGGACGAGAATGGCCTATGGCTCATCTACCCGGCCCTGGACGATGAGGGCTTCAGCCAGGAG
GTCATTGTCTGAGCAAGCTCAATGCCGCGGACCTGAGCACACAGAAGGAGACCACATGGCGCACGGGG
CTCCGGAGGAATTTCTACGGCAACTGCTTCGTCTCTGTGGGTGCTGTATGCCGTGGATAGCTACAAC
CAGCGGAATGCCAACATCTCTACGCTTTCGACACCCACACCAACACACAGATCGTCCCAGGCTGCTG
TTCGAGAATGAGTATTCCTATACGACCCAGATAGACTACAACCCCAAGGACCGCTGCTCTATGCCTGG
GACAATGGCCACCAGGTCACTTACCATGTCATCTTTGCCTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_015441

**Insert Size:** 2253 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                                                                                                |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                           |
| <b>RefSeq:</b>                | <a href="#">NM_015441.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>           | 3796 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 2253 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>              | 25903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <a href="#">Q68BL8</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 1q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                    | 84 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Summary:</b>          | <p>This gene encodes an olfactomedin domain-containing protein. Most olfactomedin domain-containing proteins are secreted glycoproteins. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 3. The encoded isoform (2) is shorter than isoform 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |