

## Product datasheet for RN215010

### Olr325 (NM\_001000247) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Olr325 (NM\_001000247) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Olr325  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN215010 representing NM\_001000247  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCCAGATAAACCACACCCATGTGAAGGAATTTGTCTTCTGGCACTTACTCGTTCCGTGAAGTGG  
 AGTTCTTTCTGTCTCGGTCTTCTTTCTTGTGTATGTAACAACGTGCTGGGAAACGCCCTCATTGTGGT  
 TACCATCACCTCTGAGTCCCGCCTTCACACTCCTATGACTTCTCTTGAGAAACAAATCCGTTCTAGAT  
 ATTGTTTTTTCATCTATCACAGTCCCAAGCTCCTGGTGGATCTTTATCAGAAAGGAAGGCCATCTCT  
 ATAATGGTTGTTTGACACAGATCTTTTTTCCACTTTGCTGGTGGGCAGATATTTTCTCCTCTGT  
 GATGGCCTATGACAGGTACCTTGCAATTGCTAAACCCCTGCACTATGTAACCATTATGAGGCGAGAGGTA  
 TGGGTGGCCTTGTTGTGGCCTCCTGGGTGGTGGTTTGCATTCAATTGTCCAGATAAATTCTAATGC  
 TCCCACTCCCTTTCTGTGGCCAAATACCTTGGATGCCTTTTACTGTGATGTACCCAGGTGGTGAAGCT  
 GGCCTGCACTGACACCTTGGCCTTGAACCTTCTTGTATCTCCAACAATGGGCTGGTAACCCTGCTGTGG  
 TTTCTCCTGCTCCTGGGCTCCTACACTATCATTCTGATTATGCTCAAATCCCATTCTGGGGAGGACGGA  
 ACAAGGCTCTCTCACCTGCACCTCTCACATCATGGTGGTACTCTCCATTTTGTGCCCTGTGTTTACGT  
 CTATTGCCGGCCCTTCACTACCCTGCCATGGATACAGCCATATCTATCAATAAACTGTCATCACACCC  
 ATGCTAAACCCCATGATCTACACTCTCAGGAACCAAGAAATGAAGTCAGCCATGAAGAGACTGCAGAGGA  
 GGCTGGGGCCTTCTGAGAGCAATAAGCTTGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI  
 ACCN: NM\_001000247  
 Insert Size: 945 bp



<b>OTI Disclaimer:</b>	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>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>	<u><a href="#">NM_001000247.1</a></u> , <u><a href="#">NP_001000247.1</a></u>
<b>RefSeq Size:</b>	945 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	293763
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]