

Product datasheet for **RN215663**

Olr1608 (NM_001000093) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Olr1608 (NM_001000093) Rat Untagged Clone

Tag: Tag Free

Symbol: Olr1608

Synonyms: ratchr15-25944434-25943481_ORF

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >RN215663 representing NM_001000093
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGACTGTGGCTAATAAGTCTATTGTGACTGAATTTGCTTGTGGGACTCTCTAATTCCTGGGAACACTAC
AGATATTTTCTTCATAGTGTTCAGTCTTTATGTGGCAACAATGGTGAGTAATAGCATCATTGTGGT
CATTGTCATATCTGACTCTCACCTACACTCTGCTATGTACTTCCTGCTTACCAACCTTTCTCTCATCGAT
ATGTCTCTTGCTTCCTTTGCCACTCCCAAGATGATCATAGATTATCTAACTGATCATAAGACCATCTCTT
TTGATGGATGCATTGCCAGATATTCTTTCTCCACCTGTTCACTGGGACTGAGATTATTTTACTCATGGC
CATGTCTTTTGACAGGTATATTGCAATTTGTAAACCTCTGCGTTACGCTTCGATCATTAGTCCCCAGGTG
TGTATTGCCTTGGTGGTGTCTCATGGATTGTGGGGATCATGCATTCAATGAGCCAGGTCATCTTTGCC
TCACATTACCCTTCTGTGGTCCCAATAAGATAGATAGCTTTTCTGTGACCTTCCTGTGGTGTTCACGT
GTCTTGTGTGGATACTTATGTTCTTGGTCTCTTATGATTTGACAAGTGGCATCATTGCACTGTCTTGC
TTCATTCTGCTATTTAATTCCTATGTTATTGTGCTGCTTACTATCAAGCACCATTCTTCCAAAGGATCAT
CTAAGGCTCTTTCAACCTGCACAGCCATTTCATTGTTGTCTTCATGTTCTTTGGGCCATGTATCTTTAT
CTACATGTGGCCACAAAACAGCTTTGTGATAGAAAAGATCCTGTCCGTATTTTACACCATATTCACTCCC
ATTCTGAACCCAGTCATATATACTCTGAGAAACCACGAAGTAAATTCAGCCATGAGGAACTGGGAAGTA
AGTTTCTAAATTCAGTACAGAACTCCTTCCCATTCTTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001000093



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Insert Size:	954 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).
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.
RefSeq:	<u>NM_001000093.1, NP_001000093.1</u>
RefSeq Size:	954 bp
RefSeq ORF:	954 bp
Locus ID:	290006
Cytogenetics:	15p14
Gene Summary:	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]