

Product datasheet for MC213309

Olfr314 (NM_001011760) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Olfr314

Synonyms: MOR278-2

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

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

Fully Sequenced ORF: >MC213309 representing NM_001011760
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGAGGGAACACCACAGCGGGCTTCGTCCTCCTAGGACTCTTTAACCACACCAGGGCCCACTTAT
TCCTCTTTGTGTTGGTCTGACTGTGGCCTTCAACTCTGTGGTAGGCAACGCCCTCCTGCTTCTCCTTAT
TCACCAGGACCGCGGCTCCACACCCATGTACTTTCTCTGAGCCAACCTCCTCATGGACATGATG
CTGGTCTCCACGGTAGTGCCTCAAATGGCAGCTGGCTATTTAATGGGTAAAGTTCATCTCTGCCGCTG
GCTGTGGCTTCCAGATCTTCTTCTCCTCACGCTGGGAGGTGGAGAGTGCTTCTCTTAGCAGCCATGTC
CTATGACCGCTATGTGGCTATATGCCACCCATTGCGCTATCCGGTTCTCATGAGCTGGCAGTTATGTTTG
AGACTAACCGTGGCGTCTTGGCTCCTGGGAGCAGCTGATGGAGCCATGCAAGCTGCTGCCACCTGAGCT
TCCAGTTTTGCAGCCGAATGAAATAGATCACTTCTTCTGTGAGGCCCTGTGTTATTGCGCTTGGCTTG
CGGAGACACATCAGCCTTTGAGTTTTTCATGTACATTTGCTGTGTGTTGATGCTTCTGATCCCTTCTCC
CTCATCCTGATGTCTATGGTCTATCCTGGCCGCTGTCTCCGAATGCGGTCCACAGAAGCCCGCAAGA
AAGCCTTCGCCACCTGCTCCTCGCACTTGGCGGTAGTGGCCCTCTTTATGGAGCGGCTACTTTAGCTA
CATGAGGCCACATCCTCCAGGTGAGCGAACCACGATAAGGTAGTGTGAGCATTCTATACTATCGTCACC
CCCATGCTGAACCCCTCATCTACAGTCTTCGGAACAGTGAAGTCAAGGGTAGCCTGAGGAAGTGCGTGA
CCCGCTGTGCTGCCCTAACTAGTAAGGATGCCTTGGCTGGCTTGGACCTAGCTGGAGGTACAAGGGGAA
AGGTATACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001011760
Insert Size:	993 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001011760.2</u> , <u>NP_001011760.1</u>
RefSeq Size:	1131 bp
RefSeq ORF:	993 bp
Locus ID:	257917
Cytogenetics:	11 B1.3
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]