

Product datasheet for MC213483

Olfr745 (NM_146299) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Olfr745

Synonyms: MOR106-II

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

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

Fully Sequenced ORF: >MC213483 representing NM_146299
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCACTCATTCTCAGTTGTTTCTGTTTTCTAACAGCTTTCGGATCCAAGAACAGCTCCATACATT
TTGTGACTGAGTTTATCCTCCTGGGTTTCAGTAATCAGGGGGAGATGCAAAGTTTCTTCTTCTGTCAAT
TCTGATTCTTTACCTCCTGACCTTGCTGGGAATGGAATATTGTTGTGCTGTGAGATGGGATCAGAGG
CTCCACACCCATGTACATCTTCTGGGAACTTGCCTTTTAGAGATATGGTATGTCTCTTCCACCA
TCCCAACATGTTGGTCAATATTCTCTGAGAATAAGACCATCTCCTTCTGCTGCTTCCCTTCAATT
CTATTTCTTTTTTCACTTGGTACAACAGAGTGTTCCTTGTGTCAGCTATGGCTTATGATCGATACCTG
GCTATCTGTCGACCATTACCTACCCCTCTATCATGACTAGGAAGTTCTGTGTCATCCTGATTTGTATCT
GCTGGGTGAGTGGATTCTCTGCTATCCAGTCCAATTGCTCTCATCTCCCAACTTCTTTCTGTGGTCC
TAACATCATTGACCACTTTGTGTGTGACCCAGGACCATTGTTTGCATATCCTGTGTGCTGCTCCTTCC
ACTGAGCTTCTCTGTTATACCTTCAACTCAATGATTATCTTTGGGCCCTTCTTCTGCATCCTGGGATCCT
ATACTCTAGTACTCAGAGCTGTGTTTCAGATTCTTCTGGTGTGCTGGAACCTAAAGCTTTCTCTACATG
TGGATCTCATTTAGTGGTTGTCTCTGTCTATGGAACCTTATGGTGATGTATGTAGCCCAACATCA
GGGAATCCTGCAGGAATGCAGAAGATTGTTACTCTGATTACTCAGCCTTGACCCCTCTTAAATCCTC
TCATCTATACTCTCCGAAACAAAGAAATGAAAAATGCCTTAAAGAACTGCTAAACTAACAACTATCCA
AAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_146299
Insert Size:	987 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_146299.2</u> , <u>NP_666411.2</u>
RefSeq Size:	1175 bp
RefSeq ORF:	987 bp
Locus ID:	258296
Cytogenetics:	14 C1
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]