

Product datasheet for **MR214943**

Olfr1279 (NM_146393) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfr1279 (NM_146393) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfr1279
Synonyms:	MOR245-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214943 representing NM_146393 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGATGGATCAACTAAATGACTCCAGAGTTTCTGAGTTTGTGCTTCTAGGACTCTCTAGTTCTTGGG
 AAATAAGTTTTTCTCATGGTAACATTCTCTATGCTCTACATCGGAATCATTTTGGGAAATCTTTTCAT
 TGTCATTTTAGTAATTGCTGACTCTCACTTACATTACCTATGTACTTCTGTTGGCCAACCTGTCTTTG
 AACGATGTGTGGGTTTCTCCACTACAGTTCCCAAGATGATCTCAGATCTTCTGAAAGAGCACAAAGTAA
 TTTCTTTCCACAATTGCATGACTCAGATCTGTTTTATCCACATTATGGGAGGAGTGGAGATGGTGTCTGCT
 CATAGCCATGGCCTTTGACAGGTACACAGCCATCTGTAAGCCTCTGCGCTACTTGAGCATCATGAGCCCT
 AGAATATGCATTTCAATTTGTAATTGCTGGCTGGGTCACTGGAGTGGTCCATGCCATGTCACAGTTCTCTT
 TTGTTGTGAGCCTGCCTTTTGTGGTCCTAACAAAGTGGACAGCTTTTACTGCGACTTCCCTCGGATCAT
 ACAACTGGCGTGCATGATGGAGACAAGTTTGTGTTGTTGCTGCCAACAGTGGCTTCATGAGCATG
 GGGACCTTCTTCTGCTTCTCTCTCTATGTCTTCAATTTGGTCACAGTCTGGCAAAGGTCTTCAGGGG
 ACTTGTCAAAGGCGCTTGTCACTCTGTGAGCTCACATCACTGTGGTTGTTCTGTTTTTACTCCATGCAT
 GTTCTCTATGTGTGGCCTTTCCACATCATCGATCGACAAATACCTGTTTCATTGCTGACTTTGCTATC
 ACTCCTGCTCTTAATCCTGTCATCTATACATTAGAAACAAAGATATAAGAATAGCAATTGGAAGATTAA
 GCAAAAGGGCTGTTTGTAGCAGATTTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >MR214943 representing NM_146393
 Red=Cloning site Green=Tags(s)

MPMDQLNDSRVSEFVLLGLSSSWETKVFLMVTFSMLYIGIILGNLFIVILVIADSHLHSPMYFLLANLSL
 NDVWVSSTTVPKMISDLLKEHKVISFHCMTQICFIHIMGGVEMVLLIAMAFDRYTAICKPLRYLSIMSP
 RICISFVIAGWVTGVVHAMSQFSFVSLPFCGPNKVDSFYCDFPRIIQLACTDGDKEFVVAANSGFMSM
 GTFFLLLLSYVFIILVTWQRSSGDLKALVTLAHITVVVLFFTPCLFLYVWPFPTSSIDKYLFIADFAI
 TPALNPVIYTFRNKDIRIAIGRLSKRAVCSRFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9083_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146393

ORF Size: 939 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_146393.1](#), [NP_666505.1](#)

RefSeq Size: 942 bp

RefSeq ORF: 942 bp

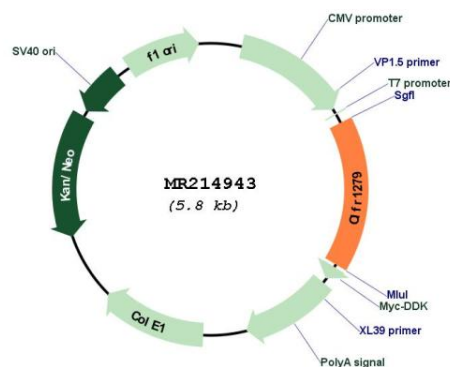
Locus ID: 258388

Cytogenetics: 2 E3

MW: 35.3 kDa

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]

Product images:



Circular map for MR214943