

Product datasheet for RC214756

OR1B1 (NM_001004450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR1B1 (NM_001004450) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR1B1
Synonyms:	OR9-26; OR9-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214756 representing NM_001004450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGAGCTTTGCCCTAATGCTTCACACTCTCCGGTTTTTTGCTCCTGGGTTCTCGAGAGCTAACA
TCTCTACACTCTCTCTTCTTCTGCTGCTATTTACCTGACCACCATACTGGGAATGTGACACT
GGTGTGCTCATCTCTGGGACTCCAGACTGCACTCACCCATGTATTATCTGCTTCGTGGCCTCTGTG
ATAGACATGGGGCTATCCACAGTTACACTGCCCGAGTTGCTGGCCATTTGGTCTCTATTACCAACCA
TTCTGCTGCCCGCTGCTGGCTCAGTTCTTTTCTTCTATGCATTTGGGGTTACAGATACACTTGTGCAT
TGCTGTGCATGGCTCTGGATCGCTATGTGGCCATCTGTGACCCCTGCACTATGCTTTGGTAAATGAATCAC
CAACGGTGTGCCTGCTTACTAGCCTTGAGCTGGGTGGTGTCCATACTGCACACCATGTTGCGTGTGGGAC
TCGTCTGCTCTTTGCTGGACTGGGGATGCTGGGGGCAACGTTAACCTTCTCACTTCTTTTGTGACCA
CCGGCCACTTCTGCGAGCCTCTTGTCTGACATACATTCTAATGAGCTGGCCATATTCTTTGAGGGTGGC
TTCCTTATGCTGGGCCCTGTGCCCTATTGTACTCTCTATGTCCGAATTGGGGCCGCTATTCTACGTT
TGCCTTACAGTGTGCTGCGCCGAGCAGTCTCCACCTGTGGATCCCACCTCACCATGGTTGGTTTCT
CTACGGCACCATCATTTGTGTCTACTTCCAGCCTCCCTTCCAGAACTCTCAGTATCAGGACATGGTGGCT
TCAGTAATGTATACTGCCATTACACCTTTGGCCAACCCATTTGTGTATAGCCTCCACAATAAGGATGTCA
AGGGTGCCTCTGCAGGCTGCTGAATGGTGAAGGTAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_001004450.1](#), [NP_001004450.1](#)

RefSeq Size: 957 bp

RefSeq ORF: 954 bp

Locus ID: 347169

UniProt ID: [Q8NGR6](#)

Cytogenetics: 9q33.2

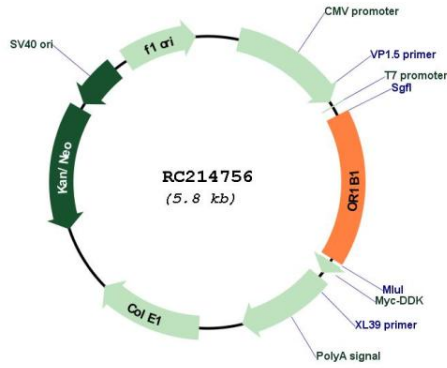
Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

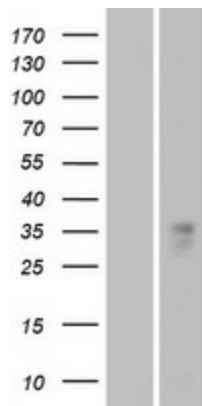
MW: 35.1 kDa

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. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a protein that is predicted to be non-functional. [provided by RefSeq, Jun 2015]

Product images:



Circular map for RC214756



Western blot validation of overexpression lysate (Cat# [LY423755]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214756 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).