

Product datasheet for RC216377

OR5T2 (NM_001004746) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR5T2 (NM_001004746) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR5T2
Synonyms:	OR11-177
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216377 representing NM_001004746 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTACAGTATATACAAGAGCACAGTTAACATCCCCTTGAGTCATGGTGTGTTTCATTCTTTTTGTC
ATAATATGAAGTGAACCTTATGCATATCTTCAAGTTTGTCTAGATTTCAACATGAAGAATGCACTGA
AGTTACCTTATTTGACTGAAGGCTTCACAGACAATCTTGAAGTGCAGACTATCTTCTTCTCCTGTTT
CTAGCAATCTACCTCTTCACTCTCATGGGAAATTTAGGACTGATTTTAGTGGTCATTAGGGATCCAGC
TCCACAAACCCATGTAATTTCTGAGTATGTTGCTTCTGTGGATGCCTGCTATTCCTCAGTTATTAC
CCCAAATATGTTAGTAGATTTTACGACAAAGAATAAAGTCATTTTATTCTTGGATGTGTAGCACAGGTG
TTTCTTGCTTGTAGTTTTGGAACCACAGAATGCTTTCTTGGCTGCAATGGCTTATGATCGCTATGTAG
CCATCTACAACCTCTCCTGTATTCAGTGAGCATGTCACCCAGAGTCTACATGCCACTCATCAATGCTTC
CTATGTTGCTGGCATTACATGCTACTATACATACAGTGGCTACATTTAGCCTATCCTTCTGTGGAGCC
AATGAAATTAGGCGTGTCTTTGTGATATCCCTCCTCCTTGTCTTCTTATTCTGACACTCACACAA
ACCAGCTTCTACTCTTCTACTTTGTGGGCTCTATCGAGCTGGTCACTATCCTGATTGTTCTGATCTCCTA
TGGTTTGATTCTGTTGGCCATTCTGAAGATGATTTCTGCTGAAGGAGGAGAAAAGTCTTCTCCACATG
GGAGCTCACCTAACTGGAGTGTCAATTTATTATGGGACAATCCTCTTATGTATGTGAGACCAAGTTCCA
GCTATGCTTCGGACCATGACATGATAGTGTCAATATTTTACACCATTGTGATTCCCTTGTGTAATCCCGT
CATCTACAGTTTGGAAACAAAGATGTAAAAGACTCAATGAAAAAATGTTTGGGAAAAATCAGGTTATC
AATAAAGTATATTTTCACTAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_001004746.1](#), [NP_001004746.1](#)

RefSeq Size: 1080 bp

RefSeq ORF: 1080 bp

Locus ID: 219464

UniProt ID: [Q8NNG2](#)

Cytogenetics: 11q12.1

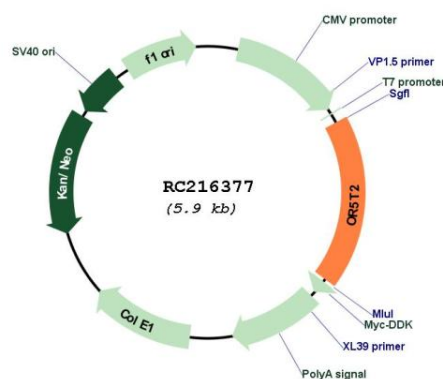
Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

MW: 40.5 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 RC216377