

Product datasheet for **RC212678**

OR51T1 (NM_001004759) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OR51T1 (NM_001004759) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: OR51T1
Synonyms: OR11-26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC212678 representing NM_001004759
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTAATAAAATGTATGCTATATATAAAGAATCTTAATTATTTTTCTTTCCTCATAGTTCAGTGTC
TTCAACCAACCATGGCAATATTCATAACACCACTTCGTCTTCTCAAACCTCCTCCTCACTGCATTCCC
TGGGCTGGAATGTGCTCATGTCTGGATCCATTCCAGTCTGCTGTCTACACCATTGCCCTCTGGGA
AACAGTATGATCTTTCTGTATCATTACTAAGCGGAGACTCCACAAACCATGTATTATTTCTCTCCA
TGCTGGCAGCTGTTGATCTATGTCTGACCATTACGACCCTCCCACTGTGCTTGGTGTCTCTGGTTTCA
TGCCCGGAGATCAGCTTTAAAGCTTGCTTCATTCAAATGTTCTTTGTGCATGCTTCTCCTTGCTGGAG
TCCTCGGTGCTGGTAGCCATGGCCTTTGACCGCTTCGTGGCTATCTGTAACCACTGAACATGCTACTA
TCCTCACAGACAGGATGGTCTGGTGATAGGGCTGGTCATCTGCATTAGACCAGCAGTTTTCTTACTTCC
CCTTCTTGAGCCATAAACACTGTGTCTTTTATGGGGTTCACGAGCTTTCCCATCCATTTTGTACCAC
CCAGAAGTGATCAAAACACATATTCAAACCTGGATCAGCAGTTTTTGGGGACTGTTTCTTCACTCT
ACCTGAATGGCACTGACGTATTGTTTATCTTTTCTCTATGTCTGATCCTCCGTAAGTCTGTTGGGCAT
TGTGGCCCGAAAGAAGCAACAAAAGCTCTCAGCACTTGTCTGTGCACATCTGTGCAGTCACTATTTTC
TATGTGCCAATATTTATCTGCTTACCACCTGTGCTGAACCCTATCATTTACAGCTTGAAGACCAAGAC
AATCCGCCAGGCTATGTTCCAGCTGCTCCAATCCAAGGGTTCATGGGTTTTAATGTGAGGGTCTTAGG
GGAAGATGGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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_001004759.1](#), [NP_001004759.1](#)

RefSeq Size: 1065 bp

RefSeq ORF: 984 bp

Locus ID: 401665

UniProt ID: [Q8NGJ9](#)

Cytogenetics: 11p15.4

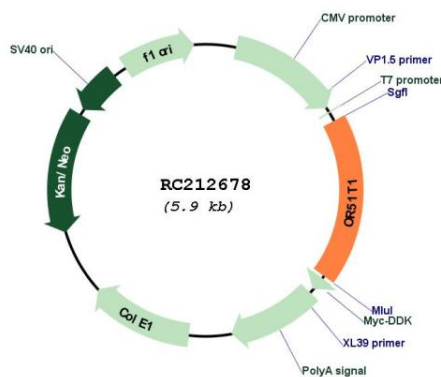
Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

MW: 40.1 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC212678