

Product datasheet for **RG211068**

OR9Q1 (NM_001005212) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR9Q1 (NM_001005212) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OR9Q1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211068 representing NM_001005212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGATGAACCTCACCTTGGTGACCGAGTTCCTCCTTATTGCATTCAGTGAATATCCTGAATGGG
CACTCCCTCTCTCCTCTTGTGTTTTATTTATGTATCTCATCACCGTATTGGGGAACCTTAGAGATGATTAT
TCTGATCCTCATGGATCACCAGCTCCACGCTCCAATGTATTTCTTCTGAGTCACCTCGCTTTCATGGAC
GTCTGCTACTCATCTATCACTGTCCCCAGATGCTGGCAGTGTGCTGGAGCATGGGCAGCTTTATCTT
ACACACGCTGTGCTGCTCAGTTCTTTCTGTTACCTTCTTTGGTCCATCGACTGTACCTTTGGCGCT
CATGGCCTATGACCGCTACTTGGCTGTGTGCCAGCCCTGCTTTATGTCACCATCCTGACACAGCAGGCC
CGCTTGAGTCTTGTGGCTGGGGCTTACGTTGCTGGTCTCATCAGTGCCTTGGTGGGACAGTCTCAGCCT
TCACTCTCCTTCTGTGGAACCAAGTGTGATTGACTTTATTTTCTGTGACCTCCCTCCTCTGTTAAAGTT
GACCTGTGGGAGAGCTACACTCAAGAAGTGTGATTATTATGTTTGCCATTTTGTGATCCCTGCTTCC
ATGGTGGTGTCTTGGTGTCTACCTGTTTATCATCGTGGCCATCATGGGATCCCTGCTGGAAGCCAGG
CCAAGACCTTCTCCACCTGCACCTCCACCTCACTGCTGTGTCACTCTTCTTTGGTACCCTCATCTTCAT
GTACTTGAGAGGTAACCTCAGATCAGTCTTCGGAGAAGAATCGGGTAGTGTCTGTGCTTTACACAGAGGTC
ATCCCCATGTTGAATCCCCTCATCTACAGCCTGAGGAACAAGGAAGTGAAGGAGGCCCTGAGAAAAATTC
TCAATAGAGCCAAGTTGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001005212.2](#), [NP_001005212.1](#)

RefSeq Size: 2519 bp

RefSeq ORF: 933 bp

Locus ID: 219956

UniProt ID: [Q8NGQ5](#)

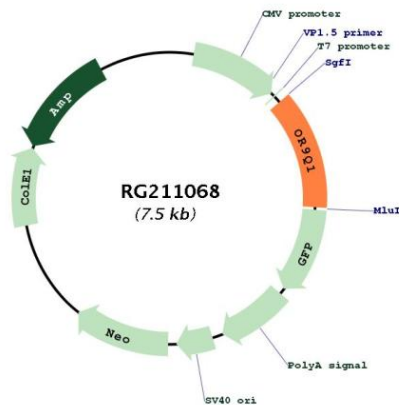
Cytogenetics: 11q12.1

Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

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 RG211068