

Product datasheet for **RG217743**

OR8B8 (NM_012378) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR8B8 (NM_012378) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OR8B8
Synonyms:	TPCR85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217743 representing NM_012378 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGAGAATTCCTCCTTCGTGACACAGTTTATCCTCGCAGGCTTAAGTACCAACCGGGAGTCC
AGATCCCCCTCTTCTCCTGTTTCTAGGCTTCTACGTGGTCACTGTGGTGGGAACCTGGGCTTGATAAC
CCTGATAAGGCTCAACTCTCACTTGCACACCCCTATGTAATCTTCTCTATAACTTGCCTTCATAGAT
TTCTGCTATTCCAGTGTTATCACTCCAAAATGCTGATGAGCTTTGTCTTAAAGAAGAACAGCATCTCT
ACGCAGGGTGTATGACTCAGCTTCTTCTTTCTTTCTTTGTTGTCTCTGAGTCCTTCATCCTGTCAGC
AATGGCGTATGACCGCTATGTGGCCATCTGTAACCCACTGTTGTACATGGTACCATGTCTCCCCAGGTG
TGTTTTCTCCTTTGTTGGGTGTCTATGGGATGGGTTTGTGGGCCATGGCCACACAGCGTGCATGA
TGGGTGTGACCTTCTGTGCCAATAACCTTGTCAACCACTACATGTGTGACATCCTTCCCCTTCTTGAGTG
TGCTTGCACCAGCACCTATGTGAATGAGCTTGTAGTGTGTTGTTGTGTTGGGCATTGATATTGGTGTGCC
ACAGTCACCATCTTCATTTCTATGCTCTCATTCTCCAGCATCTTCCACATTGATTCCACGGAGGGCA
GGTCCAAAGCCTCAGCACCTGCAGCTCCACATAATTGCAGTTTCTCTGTTCTTTGGGTGAGGAGCATT
CATGTACCTCAAACCTTTTCTTTTAGCTATGAACAGGGCAAGGTGTCTTCCCTATTCTATACCACT
GTGGTGCCCATGCTCAACCCATTAATTTATAGCCTGAGGAATAAGGACGTCAAAGTTGCTCTAAAGAAA
TCTTGAACAAAAATGCATTCTCC

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_012378.1](#), [NP_036510.1](#)

RefSeq Size: 936 bp

RefSeq ORF: 936 bp

Locus ID: 26493

UniProt ID: [Q15620](#)

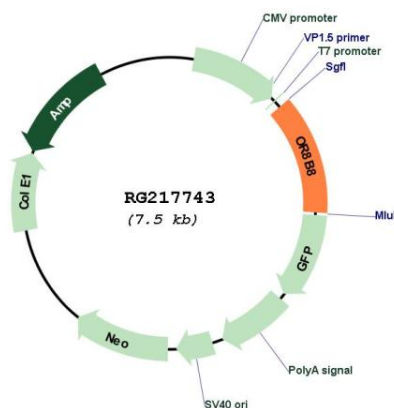
Cytogenetics: 11q24.2

Protein Families: Druggable Genome, 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 RG217743