

Product datasheet for RC224297

OR5M9 (NM_001004743) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR5M9 (NM_001004743) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR5M9
Synonyms:	OR11-190
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224297 representing NM_001004743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTAATTTACGGATGTGACAGAATTTACTCTCCTGGGGCTGACCTGTCGTCAGGAGCTACAGGTTCTCTTTTTGTGGTGTTCCTAGCGGTTTACATGACTCTGTTGGGAAATATTGGTATGATCATTGATAGCATCAGTCCTCAGCTTCAGAGTCCCATGTACTTTTTCTGAGTCATCTGTCTTTGCGGACGTGTGCTTCTCTCCAACGTTACCCCAAATGCTGAAAACCTATTATCAGAGACAAAACCATTTCTATGTGGATGCTTGGTGCAGTGTACTTTTTTCATTGCCGTTGTCCACGTGGAGGTCTATATCCTGGCTGTGATGGCCTTTGACAGGTACATGGCCGGCTGCAACCCTCTGCTTTATGGCAGTAAAAATGTCTAGGACTGTGTGTGTCGGCTCATCTCTGTGCCTTATGTCTATGGATTCTCTGTCAGCCTAATATGCACACTATGGACTTATGGCTATACTTCTGTGGAACTTTGAAATCAATCACTTCTATTGTGCAGATCCCCCTCTCATCCAGATTGCCTGTGGGAGAGTGCACATCAAAGAAATCACAATGATTGTTATTGCTGGAATTAACCTCACATATTCCTCTCGTGCTCCTCATCTCCTACACTCTCATTGTAGTAGCTGTGCTACGCATGCGCTCTGCCGATGGCAGGAGGAAGGCGTTCTCCACCTGTGGTCCCCTTGACGGCTGTTTCTATGTTTTATGGACCCCATCTTCATGATCTCAGGAGACCCACTGAGGAATCCGTAGAGCAGGGCAAAATGGTGGCTGTGTTTTACACCACAGTAATTCCTATGTTGAATCCCATGATCTACAGTCTGAGAAATAAGGATGTAAAAGAAGCAGTCAACAAAGCAATCAACAAGACATATGTGAGGCAG

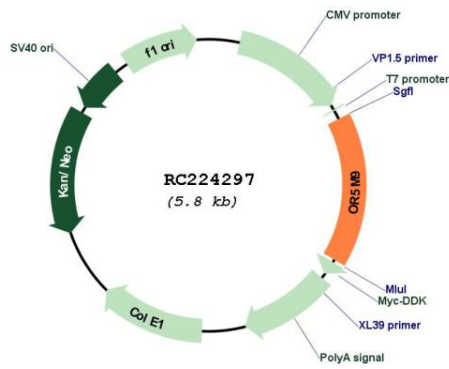
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



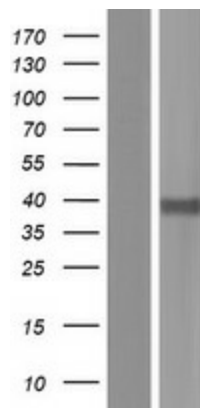
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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:	<u>NM_001004743.1, NP_001004743.1</u>
RefSeq Size:	933 bp
RefSeq ORF:	933 bp
Locus ID:	390162
UniProt ID:	<u>Q8NGP3</u>
Cytogenetics:	11q12.1
Protein Families:	Transmembrane
Protein Pathways:	Olfactory transduction
MW:	34.9 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 RC224297



Western blot validation of overexpression lysate (Cat# [LY423926]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224297 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).