

## Product datasheet for RC212005

### OR4K5 (NM\_001005483) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OR4K5 (NM_001005483) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR4K5
Synonyms:	OR14-16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212005 representing NM_001005483 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAAGTCCAATTCTTCAGTGGTGTCTGAATTTGACTGTTGGGACTCTGTAGTTCTCAAAACTCC  
AGCTTTTCTATTTTTGTTTCTTCTGTGTGTATACAGTCATTGTGCTGGGAAATCTTCTCATTATCCT  
CACAGTGACTTCTGATACCAGCCTGCACCTCCCTATGTACTTTCTTGGGAAACCTTTCCTTTGTTGAC  
ATTTGTCAGGCTTCTTTGCTACCCCTAAAATGATTGCAGATTTTCTGAGTGCACACGAGACCATATCTT  
TCAGTGGCTGCATAGCCCAAATTTCTTTATTCACCTTTTACTGGAGGGGAGATGGTGTCTACTTGTTC  
GATGGCCTATGACAGGTATGTAGCCATATGCAAACCTTATACTATGTGGTCATCATGAGCCGAAGGACA  
TGCACTGTCTTGGTAATGATCTCCTGGGCTGTGAGCTTGGTGCACACATTAAGCCAGTTATCATTACTG  
TGAACCTGCCTTTTTGTGGACCTAATGTAGTAGACAGCTTTTTTTGTGATCTTCTCGAGTCACCAAAT  
TGCTGCCTGGACTCTTACATCATTGAAATACTAATTGTGGTCAATAGTGAATCTTTCCTAAGCACT  
TTCTCTCTTGGTCAGCTCCTACATCATTATTCTTGTACAGTTGGCTCAAGTCTTCACTGCAATGG  
CAAAGGCATTTTCTACGCTGGCTTCCATATTGCAGTAGTAATATTATTCTTTGGACCTTGCATCTTCAT  
CTATGTGTGGCCCTTACCATCTCTCTTTGGATAAATTTCTTGCATATTTTACACTGTTTTACCCCC  
GTCCTAAACCCCATTTATACACTAAGGAATAGGGATATGAAGGCTGCCGTAAGGAAAATTTGAACC  
ATTACCTGAGGCCAAGGAGAATTTCTGAAATGTCACTAGTAGTGAAGTCTCCTTTTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

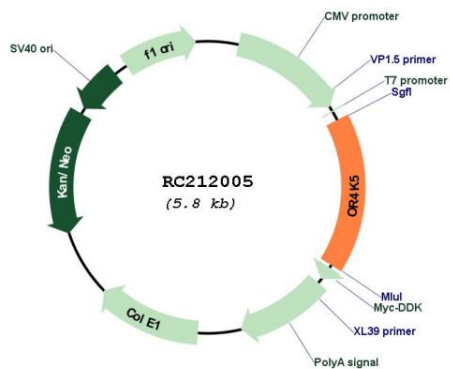


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001005483.1</a></u> , <u><a href="#">NP_001005483.1</a></u>
<b>RefSeq Size:</b>	972 bp
<b>RefSeq ORF:</b>	972 bp
<b>Locus ID:</b>	79317
<b>UniProt ID:</b>	<u><a href="#">Q8NGD3</a></u>
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Olfactory transduction
<b>MW:</b>	36.1 kDa
<b>Gene Summary:</b>	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 RC212005