

## Product datasheet for **RC222625**

### OR8K3 (NM\_001005202) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OR8K3 (NM\_001005202) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** OR8K3  
**Synonyms:** OR11-181  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222625 representing NM\_001005202  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACAACACAATCTAACAACGGTGAATGAATTCATTCTTACGGGAATCACAGATATCGCTGAGCTGC  
AGGCACCATTATTTGCATTGTTCTCATGATCTATGTGATCTCAGTGATGGCAATTTGGGCATGATTGT  
CCTCACCAAGTTGGACTCCAGGTTGCAACCCCTATGTAATTTTTCTCAGACATCTGGCTTTCATGGAT  
CTTGTTATTCAACAACGTGGGACCCAAAATGTTAGTAAATTTGTTGGATAAGAATATAATTTCTT  
ATTATTTTGTGCAACACAGCTAGCTTTCTTTCTGTGTTTCATTGGTAGTGAATTTTTATTCTCTCAGC  
CATGTCCTACGACCTCTATGTGGCCATCTGTAACCCTCTGCTATACACAGTAATCATGTCACGAAGGGTA  
TGTCAGGTGCTGGTAGCAATCCCTTACCTCTATTGCACATTCATTTCTCTTAGTCACCATAAAGATT  
TACTTTATCCTTCTGTGGCTACAACGTCATTAGTCATTTCTACTGTGACAGTCTCCCTTTGTTACCTTT  
GCTTTGTTCAAATACACATGAAATTGAATTGATAATTCTGATCTTGCAGCTATTGATTTGATTTTCATCT  
CTTCTGATAGTTCTTTTCTTACCTGCTCATCTTGTAGCCATTCTCAGGATGAATTTCTGCTGGCAGAC  
AAAAGGCTTTTCTACCTGTGGAGCCACCTGACAGTGGTCATAGTGTCTATGGGACTTTGCTTTTCAT  
GTACGTGCAGCCCAAGTCCAGTCATTCCTTTGACACTGATAAAGTGGCTTCCATATTTTACACCCCTGGTT  
ATCCCCATGTTGAATCCCTTGATCTATAGTTTACGAAACAAAGATGTAATAATATGCCCTACGAAGGACAT  
GAATAACTTATGTAATATTTTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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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\\_001005202.1](#), [NP\\_001005202.1](#)

**RefSeq Size:** 939 bp

**RefSeq ORF:** 939 bp

**Locus ID:** 219473

**UniProt ID:** [Q8NH51](#)

**Cytogenetics:** 11q12.1

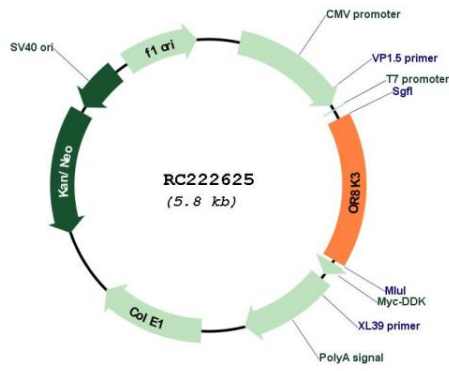
**Protein Families:** Transmembrane

**Protein Pathways:** Olfactory transduction

**MW:** 35.3 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. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a protein that is predicted to be non-functional. [provided by RefSeq, Jun 2015]

Product images:



Circular map for RC222625