

Product datasheet for **RC219663**

OR8J3 (NM_001004064) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR8J3 (NM_001004064) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR8J3
Synonyms:	OR11-173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219663 representing NM_001004064 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCTGAAAATTTACCAGGGTCACTGAGTTTATTCTCACAGGTGTCTCTAGCTGTCCAGAGCTCC
AGATCCCCTCTCCTGGTCTTCTAGTGTCTATGTGCTGACCATGGCAGGGAACCTGGGCATCATCAC
CCTCACCAGTGTGACTCTCGACTTCAAACCCCATGACTTTTTCTGAGACATCTAGCTATCATCAAT
CTTGGCAACTCTACTGTCATTGCCCTAAAATGCTGATGAACTTTTTAGTAAAGAAGAAAACCTACCTCAT
TCTATGAATGTGCCACCAACTGGGAGGGTTCTTGTCTTTATTGTATCGGAGGTAATGATGCTGGCTGT
GATGGCCTATGACCGCTATGTGGCATTGTAAACCCTCTGCTCTACATGGTGGTGGTCTCGGCGGCTC
TGCCCTCTGCTGGTGTCCCTCACATACCTCTATGGCTTTTCTACAGCTATTGTGGTTTCACCTTGTATAT
TCTCTGTGCTTATTGCTCTTCTAATAAATCAATCATTTTTACTGTGATATTGCACCTCTGTTAGCATT
ATCTTGCTCTGATACTTACATACCAGAAACAATAGTCTTTATATCTGCAGCAACAATTTGGTTTTTTCC
ATGATTACAGTTCTAGTATCTTATTTCAATATTGTTTTGTCCATTCTAAGGATACGTTACCAGAAAGGAA
GGAAAAAGCCTTTCCACCTGCGCTTCGCATATGATAGCAGTCACGGTTTTCTATGGGACAATGCATT
TATGATTTGCAGCCCCAAACCAACCACTCACTGGATACTGATAAGATGGCTTCTGTGTTTTACACATTG
GTGATTCCTATGCTGAATCCCTTGATCTACAGCCTGAGGAATAATGATGTAATGTTGCCTTAAAGAAAT
TCATGAAAAATCCATGTTACTCCTTTAAATCAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC219663 representing NM_001004064
Red=Cloning site Green=Tags(s)

MAPENFTRVTEFILTGVSSCEPELQIPLFLVFLVLYVLTMAGNLGIITLTSVDSRLQNPMYFFLRHLAIIN
 LGNSTVIAPKMLMNFLVKKKTTSFYECATQLGGFLFFIVSEVMMLAVMAYDRYVAICNPLLYMVVSRRL
 CLLLVSLEYLYGFSTAIIVVSPCIFSVSYCSSNIINHFCYCDIAPLLALSCSDTYIPETIVFISAATNLVFS
 MITVLVSYFNIVLSILRIRSPGRKKAFSTCASHMIAVTVFYGTMLFMYLQPQTNHSLDTPDKMASVFYTL
 VIPMLNPLIYSLRNNDVNVALKKFMENPCYSFKSM

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

Chromatograms: https://cdn.origene.com/chromatograms/mk8001_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004064

ORF Size: 945 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001004064.1](#), [NP_001004064.1](#)

RefSeq Size: 948 bp

RefSeq ORF: 948 bp

Locus ID: 81168

UniProt ID: [Q8NNG0](#)

Cytogenetics: 11q12.1

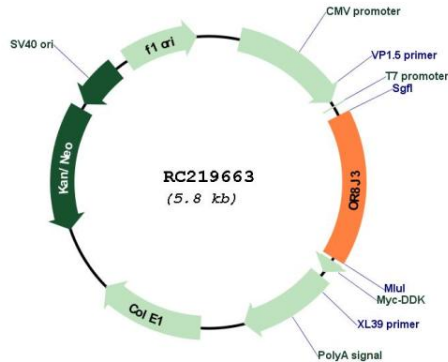
Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

MW: 35.3 kDa

Gene Summary: Odorant receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219663