

Product datasheet for RC213349

OR8H1 (NM_001005199) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR8H1 (NM_001005199) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR8H1
Synonyms:	OR11-180
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213349 representing NM_001005199 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTAGAAGAAATAACACAAATGTCCTGACTTCATCCTTACGGGACTGTCAGATTCTGAAGAGGTCC
AGATGGCCCTCTTATACTATTTCTCCTGATACCTAATTACTATGCTGGCAATGTGGGGATGATATT
GATAATCCGCCTGGACCTCCAGCTTCACACTCCCATGTATTTTTCTTACTCACTTGTCATTTATTGAC
CTCAGTTACTCAACTGTCATCACACCTAAAACCTTAGCGAACTTACTGACTTCCAACATATTTCTTCA
TGGGCTGCTTTGCCAGATGTTCTTTTTGTCTTCTGGGAGCTGCTGAATGTTTTCTTCTCATCAAT
GGCCTATGATCGCTACGTAGCTATCTGCAGTCTCTACGTTACCCAGTTATTATGTCCAAAAGGCTGTGT
TGCGCTCTTGCTACTGGGCCCTATGTGATTAGCTTTATCAACTCCTTTGTCAATGTGGTTGGATGAGCA
GACTGCATTTCTGCGACTCAAATGTAGTTCGCTCACTTTTTCTGCGACACGCTCCAATTTAGCTCTGTC
CTGCATGGACACATACGACATTGAAATCATGATACACATTTTAGCTGGTCCACCCTGATGGTGTCCCTT
ATCACAATATCTGCATCCTATGTGTCCATTCTCTCTACCATCCTGAAAATTAATCCACTCAGGAAAGC
AGAAAGCTTTGTCTACTTGTGCCTCTCATCTCTGGGAGTCACCATCTTTTATGGAACATGATTTTTAC
TTATTTAAACCAAGAAAGTCTTATTCTTTGGGAAGGGATCAAGTGGCTTCTGTTTTTATACTATTGTG
ATTCCCATGCTGAATCCACTCATTATAGTCTTAGAAACAAAGAAGTTAAAAATGCTCTCATTAGAGTCA
TGCAGAGAAGACAGGACTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213349 representing NM_001005199
 Red=Cloning site Green=Tags(s)

MGRRNNTNVPDFILTGLSDSEEVMALFILFLLIYLITMLGNVGMILIIRLDLQLHTPMYFFLTHLSFID
 LSYSTVITPKTLANLLTSNYISFMGCFAQMFFVFLGAAECFLSSMAYDRYVAICSPLRYPVIMSKRLC
 CALVTGPVVISFINSFVNVVMSRLHFCDSNVVRHFFCDTSPILALSCMDTYDIEIMIHLAGSTLMVSL
 ITISASYVSILSTILKINSTSGKQKALSTCASHLLGVTIFYGTMIIFTYLKPRKSYSLGRDQVASVFYTIIV
 IPMLNPLIYSLRNKEVKNALIRVMQRRQDSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

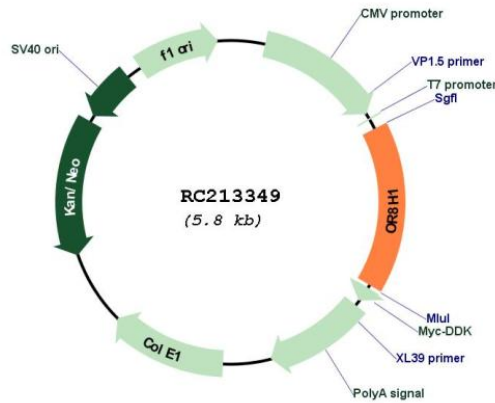
Chromatograms: https://cdn.origene.com/chromatograms/mk8003_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005199

ORF Size:	933 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.
RefSeq:	NM_001005199.1 , NP_001005199.1
RefSeq Size:	936 bp
RefSeq ORF:	936 bp
Locus ID:	219469
Protein Families:	Transmembrane
Protein Pathways:	Olfactory transduction
MW:	35 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]