

## Product datasheet for RC223453

### OR52A1 (NM\_012375) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OR52A1 (NM_012375) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR52A1
Synonyms:	HPFH1OR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223453 representing NM_012375 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATTTCCAACATCACAGTCTACATGCCCTCTGTGTTGACACTAGTAGGGATCCCAGGCCTAGAAT  
CTGTGCAGTGTGGATTGGGATTCCATTCTGTGCCATTTATCTCATTGCTATGATTGGAAATTCCTTGCT  
TCTGAGCATCATCAAATCTGAGCGCAGTCTCCATGAGCCCTGTACATTTCTTAGGCATGCTAGGAGCC  
ACAGACATTGCACTTGTAGCAGCATTATGCCAAAGATGCTTGAATATTCTGGTTAATGTGCCTGAAA  
TCTATTTTGATTCTGCTTGCTTCAAATGTGGTTCATCCACACATTGCAGGGTATAGAGTCAGGCATCCT  
TGTGGCCATGGCCCTGGACCGTTATGTGGCCATCTGTTATCCACTAAGACATGCCAACATCTTCACCCAC  
CAGCTTGTCACTCAGATAGGAACATGGTCGTA CT CAGGGCTGCTATTCTGTAGCCCCATGCCTAGTAC  
TGATAAAGTGCCGGTTTCAATTTATCACACAACAGTCATCTCCCACTCCTACTGTGAGCATATGGCCAT  
TGTGAAACTAGCAGCAGCAAATGTTCAAGTCAACAAAACTATGGTTTGTGGCCTTCACTGTAGCA  
GGATTTGACCTCACATTCACATTGCCTACATCCAGATTTTATCACAGTTTTTCGTTTGCCCCAGA  
AGGAGGCTAGGTTTAAAGCATTCAATACCTGCATTGCTCACATCTGTGCTTCTCCAGTTCTACCTCCT  
TGCCTTCTCCTTCTCACACATAGGTTTGGGTCTCACATCTCCCCTTATATCCATATTCTCTTTTCT  
AGCATTACTTGCTGGTCCCTCCATTTCTCAATCCAATTGCTATGGTGCAAAGACCACACAGATTCCGA  
TTCATGTGGTAAAAATGTTCTGTTCA

**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\\_012375.2](#), [NP\\_036507.2](#)

**RefSeq Size:** 939 bp

**RefSeq ORF:** 939 bp

**Locus ID:** 23538

**UniProt ID:** [Q9UKL2](#)

**Cytogenetics:** 11p15.4

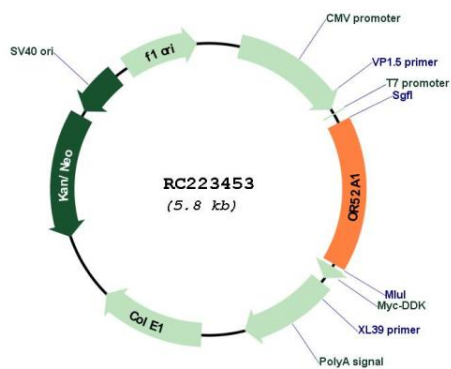
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Olfactory transduction

**MW:** 35.1 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 RC223453