OR2K2 cDNA Clone – Olfactory Receptor, Family 2, Subfamily K, Member 2 (Human)

PRODUCT OVERVIEW

Product Name	OR2K2, cDNA Clone
Full Product Name	OR2K2 cDNA Clone
Product Gene Name	OR2K2 cdna clone
Sequence	ATGCAAGGAG AAAACTTCAC CATTTGGAGC ATTTTTTTCT TGGAGGGATT TTCCCAGTAC CCAGGGTTAG AAGTGGTTCT CTTCGTCTTC AGCCTTGTAA TGTATCTGAC AACGCTCTTG GGCAACAGCA CTCTTATTTT GATCACTATC CTAGATTCAC GCCTTAAAAC CCCCATGTAC TTATTCCTTG GAAATCTCTC TTTCATGGAT ATTTGTTACA CATCTGCCTC TGTTCCTACT TTGCTGGTGA ACTTGCTGTC ATCCCAGAAA ACCATTATCT TTTCTGGGTG TGCTGTACAG ATGTATCTGT CCCTTGCCAT GGGCTCCACA GAGTGTGTGC TCCTGGCCGT GATGGCATAT GACCGTTATG TGGCCATTTG TAACCCGCTG AGATACTCCA TCATCATGAA CAGGTGCGTC TGTGCACGGA TGGCTACGGT CTCCTGGGTG ACGGGTTGCC TGACCGCTCT GCTGGAAACC AGTTTTGCCC TGCAGATACC CCTCTGTGGG AATCTCATCG ATCACTTCAC GTGTGAAATT CTGGCGGTGC TAAAGTTAGC TTGCACAAGT TCACTGCTCA TGAACACCAT CATGCTGGTG GTCAGCATTC TCCTCTTGCC AATTCCAATG CTCTTAGTTT GCATCTCTTA CATCTTCATC CTTTCCACTA TTCTGAGAAT CACCTCAGCA GAGGGAAGAA ACAAGGCTTT TTCTACCTGT GGTGCCCATT TGACTGTGGT GATTTTGTAT TATGGGGCTG CCCTCTCTAT GTACCTAAAG CCTTCTTCAT CAAATGCACA AAAAATAGAC AAAATCATCT CGTTGCTTTA CGGAGTGCTT ACCCCTATGT TGAACCCCAT AATTTACAGT TTAAGAAACA AGGAAGTCAA AGATGCTATG AAGAAATTGC TGGGCAAAAT AACATTGCAT CAAACACACG AACATCTCTG A
Molecular Weight	38,473 Da
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OR2K2 cdna clone	MBS1269387 is a cDNA clone targeting OR2K2.
Other Notes	Small volumes of OR2K2 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2K2. It may not necessarily be applicable to this product.

NCBI GI #	83406074
NCBI GeneID	26248
NCBI Accession #	BC111086
UniProt Secondary Accession #	Q2TA61; Q5VYK4; Q6IFI5
UniProt Related Accession #	Q8NGT1
NCBI Official Full Name	Homo sapiens olfactory receptor, family 2, subfamily K, member 2, mRNA
NCBI Official Synonym Full Names	olfactory receptor family 2 subfamily K member 2
NCBI Official Symbol	OR2K2
NCBI Official Synonym Symbols	OR2AN1P; OR2AR1P; HTPCRH06; HSHTPCRH06
UniProt Protein Name	Olfactory receptor 2K2

UniProt Synonym Protein Names	HTPCRH06; Olfactory receptor OR9-17
Protein Family	Olfactory receptor
UniProt Gene Name	OR2K2
UniProt Synonym Gene Names	OR2AR1P
UniProt Entry Name	OR2K2_HUMAN
NCBI Protein Information	olfactory receptor 2K2
NCBI Summary for OR2K2	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]
UniProt Comments for OR2K2	OR2K2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q31.3 Cellular Component: integral to membrane; plasma membrane Molecular Function: olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; sensory perception of smell
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