

Product datasheet for **RC218062**

OR12D3 (NM_030959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR12D3 (NM_030959) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OR12D3
Synonyms:	hs6M1-27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218062 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAATGTCACTACAATGAATGAGTTTCTTCTACTTGGCCTGACTGGTGTTCAGGAGCTGCAGCCTT
TCTTCTTTGGGATTTTCTTAATCATTTACCTGATAAACTTGATTGGAAATGGATCTATATTGGTGATGGT
TGTTTTGGAACCACAACCTCCACTCCCCTATGTATTTTTTCTGGGAAACCTTTCTGTCTGGATATTTCT
TATTCTTCAGTGACACTGCCAAGCTGCTGTAAACCTCGTGTGCAGTCGCAGGGCTATATCTTTCTAG
GCTGTATCACCCAGCTACACTTCTCCACTTTTTGGGAAGCACAGAGGCCATTTTACTGGCTATCATGGC
CTTTGACCGTTTTGTTGCCATCTGCAATCCTCTTCGCTACACTGTCATCATGAACCCCGAGTGTGTATT
CTGTTGGCAGCTGCGGCCTGGCTCATCAGCTTCTTTTACGCTCTGATGCATTCTGTCATGACTGCACACC
TGAGTTTTTGTGGCTCTCAGAACTCAATCACTTCTTCTACGATGTCAAGCCGCTCTTAGAATTGGCCTG
TAGTGACACATTACTCAATCAATGGCTTCTTCCATTGTCACAGGCAGCATATCCATGGGAGCTTTCTTT
CTGACTCTTCTCCTGCTTCTATGTAATTGGCTTCTTCTGTTAAGAACAGGTCTGCAGAATACTCC
ACAAGGCTCTGTCCACTGTGCCTCCCATTTTATGGTGGTATGTCTTTCTATGGACCTGTGGGCTTAC
ATATATTCGTCTGCTTCAGCCACCTCCATGATTCAGGACCGGATAATGGCCATCATGTATAGCCCGTC
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TTGGTAGGAAGTTGTTTAAAGACTGGCAGCAACACCAC

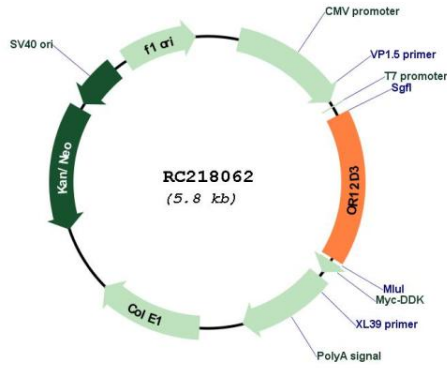
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



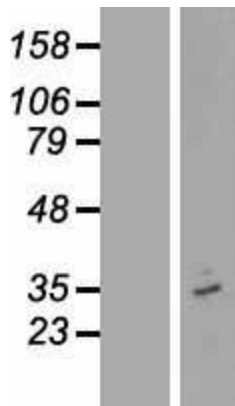
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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_030959.3
RefSeq Size:	1869 bp
RefSeq ORF:	951 bp
Locus ID:	81797
UniProt ID:	Q9UGF7
Cytogenetics:	6p22.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Olfactory transduction
MW:	35.8 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 RC218062



Western blot validation of overexpression lysate (Cat# [LY410623]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218062 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).