Datasheet for ABIN4926102

Human OR4C15 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR4C15
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human OR4C15 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1113 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTTCTCAA TGACAACAGA AGCACTCAAT AATTTTGCAC TTGGATGTAC CAACTTGTTA ATGACTATGA TACCACAAAT TGATCTGAAG CAAATTTTCC TTTGTCCTAA TTGCAGACTA TACATGATCC CTGTTGGAGC TTTCATCTTT TCCTTGGGAA ACATGCAAAA CCAAAGCTTT GTAACTGAGT TTGTCCTCCT GGGACTTTCA CAGAATCCAA ATGTTCAGGA AATAGTATTT GTTGTATTTT TGTTTGTCTA CATTGCAACT GTTGGGGGCA ACATGCTAAT TGTAGTAACC

Product Details

	ATTCTCAGCA GCCCTGCTCT TCTGGTGTCT CCTATGTACT TCTTCTTGGG CTTCCTGTCC TTCCTGGATG CGTGCTTCTC ATCTGTCATC ACCCCAAAGA TGATTGTAGA CTCCCTCTAT GTGACAAAAA CCATCTCTTT TGAAGGCTGC ATGATGCAGC TCTTTGCTGA ACACTTCTTT GCTGGGGTGG AGGTGATTGT CCTCACAGCC ATGGCCTATG ATCGTTATGT GGCCATTTGC AAGCCCTTGC ATTACTCTTC TATCATGAAC AGGAGGCTCT GTGGCATTCT GATGGGGGTA GCCTGGACAG GGGGCCTCTT GCATTCCATG ATACAAATTC TTTTTACTTT CCAGCTTCCC TTTTGTGGCC CCAATGTCAT CAATCACTTT ATGTGTGACT TGTACCCGTT ACTGGAGCTT GCCTGCACTG ATACTCACAT CTTTGGCCTC ATGGTGGTCA TCAACAGTGG GTTTATCTGC ATCATAAACT TCTCCTTGTT GCTTGTCTCC TATGCTGTCA TCTTGCTCTC TCTGAGAACA CACAGTTCTG AAGGGCGCTG GAAAGCTCTC TCCACCTGTG GATCTCACAT TGCTGTTGTG ATTTTGTTCT TTGTCCCATG CATATTTGTA TATACACGAC CTCCATCTGC TTTTTCCCTT GACAAAATGG CGGCAATATT TTATATCATC TTAAATCCCT TGCTCAATCC TTTGATTTAC ACTTTCAGGA ATAAGGAAGT AAAACAGGCC ATGAGGAGAA TATGGAACAG ACTGATGGTG GTTTCTGATG AGAAAGAAAA TATTAAACTT TAA
Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	• Forward primer: 5'-TAATACGACTCACTATAGGG-3' • Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	OR4C15
Alternative Name:	OR4C15 (OR4C15 Products)
Background:	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

Target Details

	genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008].
Gene ID:	81309
NCBI Accession:	NM_001001920

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	• Keep the vial sealed and store at -20°C for long-term storage. • Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C. • Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA. • If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA. • Close the lid and vortex the vial for 1 minute. • Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)