Datasheet for ABIN4926071

Human OR4S1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR4S1
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 OR4S1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	930 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGTGCCA AGAACAATGT GACTGAGTTT GTTTTATTTG GCCTTTTTGA GAGCAGAGAG ATGCAGCATA CATGCTTTGT GGTATTCTTC CTCTTTCATG TGCTCACTGT CCTGGGGAAC CTTCTGGTCA TCATCACCAT CAATGCTAGA AAGACCCTGA AGTCTCCCAT GTATTTCTTC CTGAGCCAGT TGTCTTTTGC TGACATATGT TATCCATCCA CTACCATACC CAAGATGATT GCTGACACTT TTGTGGAGCA TAAGATCATC TCCTTCAATG GCTGCATGAC CCAGCTCTTT

Product Details

	TCTGCCCACT TCTTTGGTGG CACTGAGATC TTCCTCCTTA CAGCCATGGC CTATGACCGC TATGTGGCCA TCTGTAGGCC CCTGCACTAC ACAGCCATCA TGGATTGCCG GAAGTGTGGC CTGCTAGCGG GGGCCTCCTG GTTAGCTGGC TTCCTGCATT CCATCCTGCA GACCCTCCTC ACGGTTCAGC TGCCTTTTTG TGGGCCCAAT GAGATAGACA ACTTCTTCTG TGATGTTCAT CCCCTGCTCA AGTTGGCCTG TGCAGACACC TACATGGTAG GTCTCATCGT GGTGGCCAAC AGCGGTATGA TTTCTTTAGC ATCCTTTTTT ATCCTTATCA TTTCCTATGT TATCATCTTA CTGAACCTAA GAAGCCAGTC ATCTGAGGAC CGGCGTAAGG CTGTCTCCAC ATGTGGCTCA CACGTAATCA CTGTCCTTTT GGTTCTCATG CCCCCCATGT TCATGTACAT TCGTCCCTCC ACCACCCTGG CTGCTGACAA ACTTATCATC CTCTTTAACA TTGTGATGCC ACCTTTGCTG AACCCTTTGA TCTATACACT AAGGAACAAC GATGTGAAAA ATGCCATGAG GAAGCTGTTT AGGGTCAAGA GGAGCTTAGG GGAGAAGTGA
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:	OR4S1
Alternative Name:	OR4S1 (OR4S1 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 genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008].

Target Details

Gene ID:	256148
NCBI Accession:	NM_001004725

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)