Datasheet for ABIN4922713

Human TAS2R31 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	TAS2R31
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 TAS2R31 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:	ATGACAACTT TTATACCCAT CATTTTTTCC AGTGTGGTAG TGGTTCTATT TGTTATTGGA AATTTTGCTA ATGGCTTCAT AGCATTGGTA AATTCCATTG AGCGGGTCAA GAGACAAAAG ATCTCTTTTG CTGACCAGAT TCTCACTGCT CTGGCGGTCT CCAGAGTTGG TTTGCTCTGG GTATTATTAT TAAATTGGTA TTCAACTGTG TTTAATCCAG CTTTTTATAG TGTAGAAGTA

Product Details

	AGAACTACTG CTTATAATGT CTGGGCAGTA ACCGGCCATT TCAGCAACTG GCTTGCTACT AGCCTCAGCA TATTTTATTT GCTCAAGATT GCCAATTTCT CCAACCTTAT TTTTCTTCAC TTAAAGAGGA GAGTTAAGAG TGTCATTCTG GTGATGCTGT TGGGGCCTTT ACTATTTTTG GCTTGTCAAC TTTTTGTGAT AAACATGAAA GAGATTGTAC GGACAAAAGA ATATGAAGGA AACTTGACTT GGAAGATCAA ATTGAGGAGT GCAGTGTACC TTTCAGATGC GACTGTAACC ACGCTAGGAA ACTTAGTGCC CTTCACTCTG ACCCTGCTAT GTTTTTTGCT GTTAATCTGT TCTCTGTGTA AACATCTCAA GAAGATGCAG CTCCATGGTA AAGGATCTCA AGATCCCAGC ACCAAGGTCC ACATAAAAGC TTTGCAAACT GTGATCTTTT TCCTCTTGTT ATGTGCCGTT TACTTTCTGT CCATAATGAT ATCAGTTTGG AGTTTTGGGA GTCTGGAAAA CAAACCTGTC TTCATGTTCT GCAAAGCTAT TAGATTCAGC TATCCTTCAA TCCACCCATT CATCCTGATT TGGGGAAACA AGAAGCTAAA GCAGACTTTT CTTTCAGTTT TGCGGCAAGT GAGGTACTGG GTGAAAGGAG AGAAGCCTTC ATCTCCATAG
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:	TAS2R31
Alternative Name:	TAS2R31 (TAS2R31 Products)
Background:	TAS2R44 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information on TAS2Rs, see MIM 604791.[supplied by OMIM, Mar 2009].
Gene ID:	259290
NCBI Accession:	NM_176885

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)