Datasheet for ABIN4926055

Human OR52E6 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR52E6
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 OR52E6 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	942 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCCTATAG CTAACGACAC CCAGTTCCAT ACTTCTTCAT TCCTACTGCT GGGTATCCCA GGGCTAGAAG ATGTGCACAT CTGGATTGGA TTCCCTTTTT TCTCTGTGTA TCTTATTGCA CTCCTGGGAA ATGCTGCTAT CTTCTTTGTG ATCCAAACTG AGCAGAGTCT CCATGAGCCC ATGTACTACT GCCTGGCCAT GTTGGATTCC ATTGACCTGA GCTTGTCTAC GGCCACCATT CCCAAAATGC TGGGCATCTT CTGGTTCAAT ATCAAGGAAA TATCTTTTGG AGGCTACCTT

Product Details

	TCTCAGATGT TCTTCATCCA TTTCTTCACT GTCATGGAGA GCATCGTATT GGTGGCCATG GCCTTTGACC GCTACATTGC CATTTGCAAA CCTCTTTGGT ACACCATGAT CCTCACCAGC AAAATCATCA GCCTCATTGC AGGCATTGCT GTCCTGAGGA GCTTGTACAT GGTCATTCCA CTGGTGTTTC TCCTCTTAAG GTTGCCCTTC TGTGGACATC GTATCATCCC TCATACTTAC TGTGAGCACA TGGGCATTGC CCGTCTGGCC TGTGCCAGCA TCAAAGTCAA CATTATGTTT GGTCTTGGCA GTATTTCTCT CTTGTTATTG GATGTGCTCC TTATTATTCT CTCCCATATC AGGATCCTCT ATGCTGTCTT CTGCCTGCCC TCCTGGGAAG CTCGACTCAA AGCTCTCAAC ACCTGTGGCT CTCACATTGG TGTTATCTTA GCCTTTTCTA CACCAGCATT TTTCTCTTTC TTTACACACT GCTTTGGCCA TGATATTCCC CAATATATCC ACATTTTCTT GGCTAATCTA TATGTGGTTG TTCCTCCCAC CCTCAATCCT GTAATCTATG GGGTCAGAAC CAAACATATT AGGGAGACAG TGCTGAGGAT TTTCTTCAAG ACAGATCACT AA
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:	OR52E6
Alternative Name:	OR52E6 (OR52E6 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:	390078
NCBI Accession:	NM_001005167

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)