Datasheet for ABIN4926134

Human OR2M2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR2M2
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 OR2M2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1044 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCATGGG AGAATCAGAC CTTCAACTCC GACTTCATCC TCCTTGGAAT CTTCAATCAC AGCCCACCAC ACACGTTCCT CTTCTTTCTG GTCCTGGGCA TCTTTTTAGT GGCCTTCATG GGAAACTCTG TCATGGTTCT CCTCATCTAC CTGGACACCC AGCTCCACAC CCCCATGTAC TTCCTCCTCA GCCAACTGTC CCTCATGGAC CTCATGCTCA TCTGCACCAC CGTACCCAAG ATGGCCTTCA ACTACCTGTC TGGCAGCAAG TCCATTTCTA TGGCTGGTTG TGTCACACAA

Product Details

	ATTTTCTTCT ATATATCACT GTCTGGCTCT GAATGTTTTC TTTTGGCTGT TATGGCTTAT GACCGCTATA TTGCTATTTG CCACCCTCTA AGATATACCA ATCTCATGAA TCCTAAAATT TGTGGACTTA TGGCTACCTT CTCCTGGATC CTGGGCTCTA CAGATGGAAT CATTGATGCT GTAGCCACAT TTTCCTTCTC CTTTTGTGGG TCTCGGGAAA TAGCCCACTT CTTCTGTGAA TTCCCTTCCC TACTAATCCT CTCATGCAAT GACACATCAA TATTTGAAGA GGTTATTTTC ATCTGCTGTA TAGTAATGCT TGTTTTCCCT GTTGCAATCA TCATTGCTTC CTATGCTCGA GTTATTCTGG CTGTCATTCA CATGGGATCT GGAGAGGGTC GTTGCAAAGC TTTCACGACC TGTTCCTCTC ACCTCATGGT GGTGGGAATG TACTATGGAG CAGCTTTGTT CATGTACATA CGGCCCACAT CTGATCACTC CCCAACGCAG GACAAGATGG TGTCTGTATT CTACACCATC CTCACTCCCA TGCTGAATCC CCTCATCTAC AGCCTCCGCA ACAAGGAGGT GACTAGAGCA TTCATGAAGA TCTTAGGAAA GGGCAAGTCT GAGAGTGAGT TACCTCATAA ACTTTATGTT TTGCTGTTTG CTAAATTCTT CTTTCTAATA TCCATCTTTT TCTATGATGT CAAAATACTA GCATTGATTA TGTACATTGC CTAA
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:	OR2M2
Alternative Name:	OR2M2 (OR2M2 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

Target Details

	organism is independent of other organisms. [provided by RefSeq, Jul 2008].
Gene ID:	391194
NCBI Accession:	NM_001004688

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)