

Datasheet for ABIN4926170

Human OR1L6 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR1L6
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 OR1L6 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	936 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGGAGATAA AGAACTACAG CAGCAGCACC TCAGGCTTCA TCCTCCTGGG CCTCTCTTCC</p> <p>AACCCTCAGC TGCAGAAACC TCTCTTTGCC ATCTTCCTCA TCATGTACCT GCTCGCTGCG</p> <p>GTGGGGAATG TGCTCATCAT CCCGGCCATC TACTCTGACC CCAGGCTCCA CACCCCTATG</p> <p>TACTTTTTTC TCAGCAACTT GTCTTTCATG GATATCTGCT TCACAACAGT CATAGTGCCT</p> <p>AAGATGCTGG TGAATTTTCT ATCAGAGACA AAGGTTATCT CCTATGTGGG CTGCCTGGCC</p>

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Product Details

CAGATGTACT TCTTTATGGC ATTTGGGAAC ACTGACAGCT ACCTGCTGGC CTCTATGGCC
ATCGACCGGC TGGTGGCCAT CTGCAACCCC TTACACTATG ATGTGGTTAT GAAACCACGG
CATTGCCTGC TCATGCTATT GGGTTCTTGC AGCATCTCCC ACCTACATTC CCTGTTCCGC
GTGCTACTTA TGTCTCGCTT GTCTTTCTGT GCCTCTCACA TCATTAAGCA CTTTTTCTGT
GACACCCAGC CTGTGCTAAA GCTCTCCTGC TCTGACACAT CCTCCAGCCA GATGGTGGTG
ATGACTGAGA CCTTAGCTGT CATTGTGACC CCCTTCCTGT GTATCATCTT CTCCTACCTG
CGAATCATGG TCACTGTGCT CAGAATCCCC TCTGCAGCCG GGAAGTGGAA GGCCTTCTCT
ACCTGTGGCT CCCACCTCAC TGCAGTAGCC CTTTTCTATG GGAGTATTAT TTATGTCTAT
TTTAGGCCCC TGTCCATGTA CTCAGTGGTT AGGGACCGGG TAGCCACAGT TATGTACACA
GTAGTGACAC CCATGCTGAA CCCTTTCATC TACAGCCTGA GGAACAAAGA TATGAAGAGG
GGTTTGAAGA AATTACAGGA CAGAATTTAC CGGTAA

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:	<ul style="list-style-type: none">• 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:	OR1L6
Alternative Name:	OR1L6 (OR1L6 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].

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Target Details

Gene ID: 392390

NCBI Accession: [NM_001004453](#)

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)