

Datasheet for ABIN4926171

## Human OR1L4 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR1L4
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 OR1L4 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:	ATGGAGACAA AGAATTATAG CAGCAGCACC TCAGGCTTCA TCCTCCTGGG CCTCTCTTCC AACCCTAAGC TGCAGAAACC TCTCTTTGCC ATCTTCCTCA TCATGTACCT ACTCACTGCG GTGGGGAATG TGCTCATCAT CCTGGCCATC TACTCTGACC CCAGGCTCCA CACCCCTATG TACTTTTTTC TCAGCAACTT GTCTTTCATG GATATCTGCT TCACAACAGT CATAGTGCCT AAGATGCTGG TGAATTTTCT ATCAGAGACA AAGATTATCT CTTATGTGGG CTGCCTGATC

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## Product Details

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CAGATGTACT TCTTCATGGC ATTTGGGAAC ACTGACAGCT ACCTGCTGGC CTCTATGGCC  
ATCGACCGGC TGGTGGCCAT CTGCAACCCC TTACACTATG ATGTGGTTAT GAAACCATGG  
CATTGCCTAC TCATGCTATT GGGTTCTTGC AGCATCTCCC ACCTACATTC CCTGTTCCGC  
GTGCTACTTA TGTCTCGCTT GTCTTTCTGT GCCTCTCACA TCATTAAGCA CTTTTTCTGT  
GACACCCAGC CTGTGCTAAA GCTCTCCTGC TCTGACACAT CCTCCAGCCA GATGGTGGTG  
ATGACTGAGA CCTTAGCTGT CATTGTGACC CCCTTCCTGT GTACCATCTT CTCCTACCTG  
CAAATCATCG TCACTGTGCT CAGAATCCCC TCTGCAGCCG GGAAGTGGAA GGCCTTCTCT  
ACCTGTGGCT CCCACCTCAC TGTAGTGGTC CTGTTCTATG GGAGTGT CAT CTATGTCTAT  
TTTAGGCCTC TGTCCATGTA CTCAGTGATG AAGGGCCGGG TAGCCACAGT TATGTACACA  
GTAGTGACAC CCATGCTGAA CCCTTTCATC TACAGCCTGA GGAACAAAGA TATGAAAAGG  
GGTTTGAAGA AATTAAGACA CAGAATTTAC TCATAG

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

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Gene: OR1L4

Alternative Name: OR1L4 ([OR1L4 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

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Gene ID: 254973

NCBI Accession: [NM\\_001005235](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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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

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)