

Datasheet for ABIN4926167

## Human OR1N1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR1N1
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 OR1N1 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:	ATGGAAAACC AATCCAGCAT TTCTGAATTT TTCCTCCGAG GAATATCAGC GCCTCCAGAG CAACAGCAGT CCCTCTTCGG AATTTTCCTG TGTATGTATC TTGTACACCTT GACTGGGAAC CTGCTCATCA TCCTGGCCAT TGGCTCTGAC CTGCACCTCC ACACCCCCAT GTACTTTTTTC TTGGCCAACC TGTCTTTTGT TGACATGGGT TTAACGTCCT CCACAGTTAC CAAGATGCTG GTGAATATAC AGACTCGGCA TCACACCATC TCCTATACGG GTTGCCCTCAC GCAAATGTAT

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## Product Details

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TTCTTTCTGA TGTTTGGTGA TCTAGACAGC TTCTTCCTGG CTGCCATGGC GTATGACCGC  
TATGTGGCCA TTTGCCACCC CCTCTGCTAC TCCACAGTCA TGAGGCCCCA AGTCTGTGCC  
CTAATGCTTG CATTGTGCTG GGTCCCTACC AATATCGTTG CCCTGACTCA CACGTTCCCTC  
ATGGCTCGGT TGTCCCTCTG TGTGACTGGG GAAATTGCTC ACTTTTTCTG TGACATCACT  
CCTGTCCTGA AGCTGTCATG TTCTGACACC CACATCAACG AGATGATGGT TTTTGTCTTG  
GGAGGCACCG TACTCATCGT CCCCTTTTTA TGCATTGTCA CCTCCTACAT CCACATTGTG  
CCAGCTATCC TGAGGGTCCG AACCCGTGGT GGGGTGGGCA AGGCCTTTTC CACCTGCAGT  
TCCCACCTCT GCGTTGTTTG TGTGTTCTAT GGGACCCTCT TCAGTGCCTA CCTGTGTCCT  
CCCTCCATTG CCTCTGAAGA GAAGGACATT GCAGCAGCTG CAATGTACAC CATAGTGACT  
CCCATGTTGA ACCCCTTTAT CTATAGCCTA AGGAACAAGG ACATGAAGGG GGCCCTAAAG  
AGGCTCTTCA GTCACAGGAG TATTGTTTCC TCTTAG

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"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
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:	OR1N1
Alternative Name:	OR1N1 ( <a href="#">OR1N1 Products</a> )
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: 138883

NCBI Accession: [NM\\_012363](#)

## 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)