

Datasheet for ABIN4926204

## Human OR11H2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR11H2
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 OR11H2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	981 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTGTCCCT TGACCTTGCA TGCTACTGGC CTAATGAATG TCTCTGAGCC AAATTCCAGC TTTGCTTTTG TAAATGAATT TATACTCCAA GGTTTCTCTT GTGAGTGGAC AATTCAGATC TTCCTCTTCT CACTCTTTAC TACAATATAT GCACTGACTA TAACAGGGAA TGGAGCCATT GCTTTTGTCC TGTGGTGTGA CCGGCGACTT CACTCTCCA TGTACATGTT CCTGGGAAAT TTCTCCTTTT TAGAGATATG GTATGTCTCT TCTACAGTTC CCAAGATGTT GGTCAACTTC

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## Product Details

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CTTTCAGAGA AAAAAACAT CTCCTTTGCT GGATGTTTTTCCAGTTTTTA TTTCTTCTTC  
TCTTTGGGTA CATCAGAATG CTTGCTTTTG ACTGTGATGG CCTTTGATCA GTACCTTGCT  
ATCTGCCGTC CCTTGCTCTA TCCTAATATC ATGACTGGGC ATCTCTATGC CAAACTGGTC  
ATACTGTGCT GGGTTTGTGG ATTTCTGTGG TTCCTGATCC CCATTGTTCT CATCTCTCAG  
AAGCCCTTCT GTGGCCCAA CATTATTGAC CATGTTGTGT GTGACCCAGG GCCACTATTT  
GCATTGGATT GTGTTTCTGC CCCAAGAATC CAACTGTTTT GCTACACTCT AAGCTCATT  
GTTATTTTTG GTAACCTCCT CTTTATTATT GGATCCTATA CTCTTGTCT GAAAGCTGTG  
TTGGGTATGC CTTCAAGCAC TGGGAGACAT AAGCCCTTCT CTACCTGTGG GTCTCATTG  
GCTGTGGTAT CACTGTGCTA TAGCCCTCTT ATGGTCATGT ATGTGAGCCC AGGACTCGGA  
CATTCTACAG GGATGCAGAA AATTGAACT TTGTTCTATG CTATGGTGAC CCCACTCTTC  
AATCCCCTTA TCTATAGCCT CCAGAATAAG GAGATAAAGG CAGCCCTGAG GAAAGTTCTG  
GGGAGTTCCA ACATAATCTA A

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: OR11H2

Alternative Name: OR11H2 ([OR11H2 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: 79334

NCBI Accession: [NM\\_001197287](#)

## 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)