

Datasheet for ABIN4926109

Human OR4A15 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR4A15
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 OR4A15 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1035 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGCTTC TGACAAATAA TCTCAAATTT ATCACTGACC CTTTTGTTTG TAGGCTCCGA CACCTGAGTC CAACACCTTC AGAAGAACAC ATGAAAAATA AGAACAATGT GACTGAATTT ATCCTCTTAG GGCTCACACA GAACCCTGAG GGGCAAAAGG TTTTATTTGT CACATTCTTA CTAATCTACA TGGTGACGAT AATGGGCAAC CTGCTTATCA TAGTGACCAT CATGGCCAGC CAGTCCCTGG GTTCCCCCAT GTACTTTTTT CTGGCTTCTT TATCATT CAT AGATACCGTC

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Product Details

TATTCTACTG CATTTGCTCC CAAAATGATT GTTGACTTGC TCTCTGAGAA AAAGACCATT
TCCTTTCAGG GTTGTATGGC TCAACTTTTT ATGGATCATT TATTTGCTGG TGCTGAAGTC
ATTCTTCTGG TGGTAATGGC CTATGATCGA TACATGGCCA TCTGTAAGCC TCTTCATGAA
TTGATCACCA TGAATCGTCG AGTCTGTGTT CTTATGCTGT TGGCGGCCTG GATTGGAGGC
TTTCTTCACT CATTGGTTCA ATTTCTCTTT ATTTATCAGC TCCCTTCTG TGGACCCAAT
GTCATTGACA ACTTCCTGTG TGATTTGTAT CCCTTATTGA AACTTGCTTG CACCAATACC
TATGTCACTG GGCTTCTAT GATAGCTAAT GGAGGAGCGA TTTGTGCTGT CACCTTCTTC
ACTATCCTGC TTTCTATGG GGTCAATTA CACTCTCTTA AGACTCAGAG TTTGGAAGGG
AAACGAAAAG CTTTCTACAC CTGTGCATCC CACGTCACTG TGGTCATTTT ATTCTTTGTC
CCCTGTATCT TCTTGTATGC AAGGCCCAAT TCTACTTTTC CCATTGATAA ATCCATGACT
GTAGTTCTAA CTTTTATAAC TCCCATGCTG AACCCACTAA TCTATACCCT GAAGAATGCA
GAAATGAAAA GTGCCATGAG GAAACTTTGG AGTAAAAAAG TAAGCTTAGC TGGGAAATGG
CTGTATCACT CATGA

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: OR4A15

Alternative Name: OR4A15 ([OR4A15 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

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Target Details

organism is independent of other organisms. [provided by RefSeq, Jul 2008].

Gene ID: 81328

NCBI Accession: [NM_001005275](#)

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)