

Datasheet for ABIN4918726

## Human OR5H15 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR5H15
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 OR5H15 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	942 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAAGAGG AAAATGCAAC ATTGCTGACA GAGTTTGTTTC TCACAGGATT TTTATATCAA CCACAGTGGA AAATACCCCT GTTCTTGGA TTCTTGTA TATATCTCAT CACCATCATG GGGAATCTTG GTCTGATTGC TGTCATCTGG AAAGACCCTC ACCTTCATAT CCCAATGTAC TTACTCCTTG GGAATTTAGC TTTTGTGGAT GCTTGGATAT CATCCACAGT GACCCCAAAG ATGCTGAATA ACTTCTTAGC TAAGAGTAAG ATGATATCTC TCTCTGAATG CAAGATACAA

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## Product Details

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TTTTTTTCCA TTGCAATTGG CGTAACCACA GAATGTTTTTC TCTTGGCAAC AATGGCATAT  
GATCGCTATG TAGCCATATG CAAACCTTTA CTTTATCCAG CCATTATGAC CAATGGACTG  
TGCATCCGGC TATTAATCTT GTCATATATA GCTGGTATTC TTCATGCTTT AATCCATGAA  
GGATTTTTTAT TCAGACTAAC CTTCTGTAAC TCCAACATAG TACATCACAT TTAATGTTGAC  
ACTATCCCAT TGTCTAAGAT TTCTTGTACT GATTCTTCTA TTAATTTTCT AATGGTTTTT  
ATTTTCTCAG GTTCAATTCA GGTATTCAGC ATTGTGACTA TTCTTATATC TTACACATTT  
GTTCTCTTCA CAGTCTTAGA AAAGAAATCT GATAAGGGTG TAAGGAAAGC CTTTTCCACC  
TGTGGAGCCC ATCTCTTCTC TGTCTGTTTA TACTATGGCC CCCTTCTCTT AATGTATGTG  
GGCCCTGCAT CTCCGCAAGC AGATGGTCAA AATATGGTGG AGCCTCTATT CTACACTGTC  
ATCATTCTT TGTTAAATCC TATCATCTAC AGTCTGAGAA ATAAGCAAGT CATAGTTTCA  
TTCATAAAAA TGTTAAAAAG AAATGTTAAG GTTTCATACT AA

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: OR5H15

Alternative Name: OR5H15 ([OR5H15 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: 403274

NCBI Accession: [NM\\_001005515](#)

## 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)