

Datasheet for ABIN4925994

## Human OR6C75 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR6C75
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 OR6C75 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	939 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAGAAATT CCACAGCAGT AACAGACTTT ATTCTTCTTG GATTGACAAG TGACCCACAG TGGCAGGTTG TACTTTTCAT ATTTCTTCTT GTTACCTACA TGTTAAGTGT GACTGGGAAC CTGATCATTG TCACCCTCAC CCTTTCAGAT CCCCATCTGC AGACTCCCAT GTATTTCTTC CTTCGGAAGT TCTCATTCTT GGAAATTTCA TTCACGTCTG TCTGCATTCC CAGATTCTTC GTCACTGTTG TGACAGGAAA CAGAACCATT TCTTATAATG GGTGTGTGGC TCAGCTATTT

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## Product Details

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TTTTTCATCT TCTTGGGGGT GACAGAATTT TACCTTCTGG CTGCCATGTC CTATGACCGC  
TGCATGGCCA TCTGCAAACC TCTTCATTAC ACAATCATCA TGAGCACCAG AGTGTGTACC  
CTTCTTGTCT TTAGCTCCTG GCTTGCAGGG TTTCTGATCA TCTTTCCACC AGTAATGCTT  
CTGCTGCAGT TGGATTTCTG TGCCTCCAAT GTAATTGATC ATTTTATCTG TGACTCTTCT  
CCAATGCTGC AGCTCTCTTG CACAAACACT CACTTTCTAG AACTCATGGC ATTTTTTTTA  
GCTGTGGTAA CACTGATGGT CACCTTGACA TTAGTTATTC TCTCCTACAC AAACATCATC  
CGGACAATTC TGAAAATTCC TTCTATGAGT CAAAGGAAAA AAGCCTTTTC CACTTGCTCC  
TCCCATATGA TAGTTGTCTC CATCTCTTAC AGTAGCTGTA TCTTCATGTA CATTAAAGACT  
TCTGCCAGAG AAAGGGTGAC TTTAAGCAAA GGAGTAGCTG TGCTCAATAC CTCAGTGGCT  
CCTCTCTTGA ATCCCTTCAT ATACACACTG AGAAATAAGC AAGTGAAGCA AGCCTTCAAG  
AGCATGGTCC AGAAGATGAT TTTTCTTTA AATAAATGA

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: OR6C75

Alternative Name: OR6C75 ([OR6C75 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: 390323

NCBI Accession: [NM\\_001005497](#)

## 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)