

Datasheet for ABIN4926003

## Human OR6B3 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR6B3
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 OR6B3 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	996 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAGTGGGG AGAATGTCAC CAGGGTCGGC ACCTTCATCC TGGTGGGCTT CCCCACGGCC CCAGGGCTGC AGTACCTGCT CTTCTCCTC TTCCTGCTCA CCTACCTCTT TGTCTGGTG GAGAACCTGG CCATCATCCT CACCGTCTGG AGCAGCACCT CCCTCCACAG GCCCATGTAC TACTTTCTGA GCTCCATGTC TTTCTAGAG ATCTGGTACG TGTCTGACAT CACCCCAAG ATGCTGGAGG GCTTCCTCCT CCAGCAGAAA CGCATCTCTT TCGTCGGGTG CATGACGCAG

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## Product Details

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CTCTACTTCT TCAGCTCCCT GGTGTGCACC GAGTGTGTGC TTCTGGCCTC CATGGCCTAC  
GACCGTACG TGGCCATCTG CCACCCGCTG CGCTACCACG TCCTTGTGAC CCCGGGGCTG  
TGCTCCAGC TGGTGGGCTT CTCCTTTGTG AGTGGCTTCA CCATCTCCAT GATCAAGGTC  
TGTTTTATCT CCAGCGTCAC GTTCTGTGGC TCCAACGTCT TGAACCACTT CTTCTGTGAC  
ATTTCCCCA TCCTCAAGCT GGCCTGCACG GACTTCTCCA CTGCAGAGCT GGTGGATTTT  
ATTCTGGCCT TCATCATCCT GGTGTTTCCA CTCCTGGCCA CCATGCTGTC ATATGCGCAC  
ATCACCTGG CTGTCCTGCG CATCCCTCG GCCACCGGCT GCTGGAGAGC CTTCTTACC  
TGCGCCTCTC ACCTCACCGT GGTCACCGTC TTCTATACAG CCTTGCTTTT CATGTATGTC  
CGGCCCCAGG CCATTGATTC CCGGAGCTCC AACAAGCTCA TCTCTGTTTT GTACACAGTT  
ATCACCCCCA TCTGAACCC CTTGATATAC TGCCTGAGGA ATAAGGAATT TAAGAATGCC  
TTGAAAAAAG CCTTCGGCTT GACGAGCTGC GCCGTAGAGG GGAGGCTTTC TAGTCTTCTG  
GAACTTCATC TCCAAATACA CAGCCAGCCT CTCTGA

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: OR6B3

Alternative Name: OR6B3 ([OR6B3 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: 150681

NCBI Accession: [NM\\_173351](#)

## 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)