

Datasheet for ABIN4926037

## Human OR5B17 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR5B17
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 OR5B17 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	945 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGAATA ATACAGAGGT GAGTGAATTC ATCCTGCTTG GTCTAACCAA TGCCCCAGAA CTACAGGTTT CCCTCTTTAT CATGTTTACC CTCATCTACC TCATCACTCT GACTGGGAAC CTGGGGATGA TCATATTAAT CCTGCTGGAC TCTCATCTCC AACTCCCAT GTACTTTTTT CTCAGTAACC TGTCTCTTGC AGGCATTGGT TACTCCTCAG CTGTCACTCC AAAGGTTTTA ACTGGGTTGC TTATAGAAGA CAAAGCCATC TCCTACAGTG CCTGTGCTGC TCAGATGTTC

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## Product Details

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TTTTGTGCAG TCTTTGCCAC TGTGGAAAAT TACCTCTTGT CCTCAATGGC CTATGACCGC  
TACGCAGCAG TGTGTAACCC CCTACATTAT ACCACCACCA TGACAACACG TGTGTGTGCT  
TGTCTGGCTA TAGGCTGTTA TGTCATTGGT TTTCTGAATG CTTCTATCCA AATTGGAGAT  
ACATTTTCGCC TCTCTTTCTG CATGTCCAAT GTGATTCATC ACTTTTTCTG TGACAAACCA  
GCAGTCATTA CTCTGACCTG CTCTGAGAAA CACATTAGTG AGTTGATTCT TGTTCTTATA  
TCAAGTTTTA ATGTCTTTTT TGCACCTCTT GTTACCTTGA TTTCTATCT GTTCATATTG  
ATCACCATTC TTAAGAGGCA CACAGGTAAG GGATACCAGA AGCCTTTATC TACCTGTGGT  
TCTCACCTCA TTGCCATTTT CTTATTTTAT ATAAGTGTCA TCATCATGTA CATAACGACCA  
AGTTCCAGTC ATTCCATGGA CACAGACAAA ATTGCATCTG TGTTCTACAC TATGATCATC  
CCCATGCTCA GTCCTATAGT CTATACCCTG AGGAACAAAG ACGTGAAGAA TGCATTCATG  
AAGGTTGTTG AGAAGGCAAA ATATTCTCTA GATTCAGTCT TTTAA

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: OR5B17

Alternative Name: OR5B17 ([OR5B17 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: 219965

NCBI Accession: [NM\\_001005489](#)

## 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)