

Datasheet for ABIN4926047

## Human OR56A5 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR56A5
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 OR56A5 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:	ATGACATTAC CCAGCAACAA CTCCACTTCC CCAGTCTTTG AATTCTTCCT CATTGTTTC CCCAGTTTCC AGAGCTGGCA GCACTGGCTG TCTCTGCCCC TCAGCCTCCT CTTCTCCTG GCCATGGGGG CCAATGCCAC CTTCTGATC ACCATCTATC TGAAGCCTC TCTGCACCAG CCCCTGTACT ACCTGCTCAG CCTCCTCTCC CTGCTGGACA TCGTACTCTG CCTCACCGTC ATCCCCAAGG TCCTGGCCAT CTTCTGGTTT GACCTCAGAT CAATCAGCTT CCCTGCCTGC

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## Product Details

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TTCCTTCAGG TGTCATCAT GAACAGTTTT CTGACTATGG AGTCCTGCAC ATTCATGATC  
ATGGCCTATG ACCGCTATGT GGCCATCTGC AAGCCCCTAC AGTACTCATC CATCATCACT  
GATCAATTTG TCGCTAGGGC TGCCATCTTT GTTGTGGCCA GGAATGGCCT TCTTACTATG  
CCTATCCCCA TACTTTCTTC TCGACTCAGA TACTGTGCAG GACACATCAT CAAGAACTGC  
ATCTGTACTA ACGTGTCTGT GTCTAAACTC TCTTGTGATG ACATCACCTT GAATCAGAGC  
TACCAGTTTG TTATAGTTG GACCCTGCTG GGCTCTGACC TCATCCTTAT TGTTCTCTCT  
TACTTTTTTA TCTTGAAAAC TGTGCTAAGG ATTAAGGGTG AGGGAGATAT GGCCAAAGCT  
CTAGGTACTT GTGGTTCCCA CTTTCATCCTC ATCCTCTTCT TCACCACAGT CCTGCTGGTT  
CTGGTCATCA CTAACCTGGC CAGGAAGAGA ATTCCTCCGG ATGTCCCCAT CCTGCTCAAC  
ATCCTGCACC ACCTTATTCC CCCAGCTCTG AACCCCATG TTTATGGTGT GAGAACCAAG  
GAGATCAAGC AGGGAATCCA GAACCTGCTG AGGAGGTTGT AA

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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:	<ul style="list-style-type: none"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

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## Target Details

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Gene:	OR56A5
Alternative Name:	OR56A5 ( <a href="#">OR56A5 Products</a> )
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, Mar 2009].

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## Target Details

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Gene ID: 390084

NCBI Accession: [NM\\_001146033](#)

## 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)