

Datasheet for ABIN4925986

## Human OR6S1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR6S1
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 OR6S1 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:	<p>ATGAGTCCTG ATGGGAACCA CAGTAGTGAT CCAACAGAGT TCGTCCTGGC AGGGCTCCCA  AATCTCAACA GCGCAAGAGT GGAATTATTT TCTGTGTTTC TTCTTGCTA TCTCCTGAAT  CTGACAGGCA ATGTGTTGAT TGTGGGGTG GTAAGGGCTG ATACTCGACT ACAGACCCCT  ATGTACTTCT TTCTGGGTAA CCTGTCCTGC CTAGAGATAC TGCTCACTTC TGTCATCATT  CCAAAGATGC TGAGCAATTT CCTCTCAAGG CAACACACTA TTTCTTTTGC TGCATGTATC</p>

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## Product Details

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ACCCAATTCT ATTTCTACTT CTTTCTCGGG GCCTCCGAGT TCTTACTGTT GGCTGTCATG  
TCTGCGGATC GCTACCTGGC CATCTGTCAT CCTCTGCGCT ACCCCTTGCT CATGAGTGGG  
GCTGTGTGCT TTCGTGTGGC CTTGGCCTGC TGGGTGGGGG GACTCGTCCC TGTGCTTGGT  
CCCACAGTGG CTGTGGCCTT GCTTCCTTTC TGTAAGCAGG GTGCTGTGGT ACAGCACTTC  
TTCTGCGACA GTGGCCCACT GCTCCGCCTG GCTTGCACCA ACACCAAGAA GCTGGAGGAG  
ACTGACTTTG TCCTGGCCTC CCTCGTCATT GTATCTTCCT TGCTGATCAC TGCTGTGTCC  
TACGGCCTCA TTGTGCTGGC AGTCCTGAGC ATCCCCTCTG CTTCAGGCCG TCAGAAGGCC  
TTCTCTACCT GTACCTCCCA CTTGATAGTG GTGACCCTCT TCTATGGAAG TGCCATTTTT  
CTCTATGTGC GGCCATCGCA GAGTGGTTCT GTGGACACTA ACTGGGCAGT GACAGTAATA  
ACGACATTTG TGACACCACT GTTGAATCCA TTCATCTATG CCTTACGTAA TGAGCAAGTC  
AAGGAAGCTT TGAAGGACAT GTTTAGGAAG GTAGTGGCAG GCGTTTTAGG GAATCTTTTA  
CTTGATAAAT GTCTCAGTGA GAAAGCAGTA AAGTAA

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: OR6S1

Alternative Name: OR6S1 ([OR6S1 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: 341799

NCBI Accession: [NM\\_001001968](#)

## 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)