

Datasheet for ABIN4925952

## Human OR9G1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR9G1
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 OR9G1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	918 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCAGAGGA GCAATCATAC AGTGACTGAG TTTATACTGC TGGGCTTCAC CACAGACCCA            GGAATGCAGC TGGGCCTCTT CGTGGTGTTT CTGGGCGTGT ACTCTCTCAC TGTGGTAGGA            AATAGCACCC TCATCGTGTT GATCTGTAAT GACTCCTGCC TCCACACACC CATGTATTTT            TTTACTGGAA ATCTGTCGTT TCTGGATCTC TGGTATTCTT CTGTCTACAC CCCAAAGATC            CTAGTGACCT GCATCTCTGA AGACAAAAGC ATCTCCTTTG CTGGCTGCCT GTGTCAGTTC</p>

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## Product Details

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TTCTTCTCTG CAGGGCTGGC CTATAGTGAG TGCTACCTGC TGGCTGCCGT GGCTTATGAC  
CGCTACGTGG CCATCTCCAA GCCCCTGCTT TATGCCCAGG CCATGTCCAT AAAGCTGTGT  
GCATTGCTGG TAGCAGTCTC ATATTGTGGT GGCTTTATTA ACTCTTCAAT CATCACCAAG  
AAAACGTTTT CCTTTAACTT CTGCCGTGAA AACATCATTG ATGACTTTTT CTGTGATTTG  
CTTCCCTTGG TGGAGCTGGC CTGTGGCGAG AAGGGCGGCT ATAAAATTAT GATGTACTTC  
CTGCTGGCCT CCAATGTCAT CTGCCCGCA GTGCTCATCC TGGCCTCCTA CCTCTTTATC  
ATCACCAGTG TCTTGAGGAT CTCCTCCTCC AAGGGCTACC TCAAAGCCTT CTCCACATGC  
TCCTCCCACC TGACCTCTGT CACTTTATAC TATGGCTCCA TTCTCTACAT CTACGCTCTC  
CCCAGATCTA GCTATTCTTT TGATATGGAC AAAATAGTTT CTACATTTTA CACTGTGGTA  
TTCCCCATGT TGAATCTCAT GATCTACAGC CTAAGGAATA AGGATGTGAA AGAGGCTCTG  
AAAAAACTTC TCCCATAA

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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:	OR9G1
Alternative Name:	OR9G1 ( <a href="#">OR9G1 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, Jul 2008].

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## Target Details

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Gene ID: 390174

NCBI Accession: [NM\\_001005213](#)

## 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)