

Datasheet for ABIN4926213

## Human OR10T2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR10T2
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 OR10T2 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:	<p>ATGCGAGGTT TCAACAAAAC CACTGTGGTT ACACAGTTCA TCCTGGTGGG TTTCTCCAGC</p> <p>CTGGGGGAGC TCCAGCTGCT GCTTTTGTG ATCTTTCTTC TCCTATACTT GACAATCCTG</p> <p>GTGGCCAATG TGACCATCAT GGCCGTTATT CGCTTCAGCT GGA CTCTCCA CACTCCCATG</p> <p>TATGGCTTTC TATTCATCCT TTCATTTTCT GAGTCCTGCT ACACTTTTGT CATCATCCCT</p> <p>CAGCTGCTGG TCCACCTGCT CTCAGACACC AAGACCATCT CCTTCATGGC CTGTGCCACC</p>

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## Product Details

CAGCTGTTCT TTTTCCTTGG CTTTGCTTGC ACCAACTGCC TCCTCATTGC TGTGATGGGA  
TATGATCGCT ATGTAGCAAT TTGTCACCCT CTGAGGTACA CACTCATCAT AAACAAAAGG  
CTGGGGTTGG AGTTGATTTTCTCTCAGGA GCCACAGGTT TCTTTATTGC TTTGGTGGCC  
ACCAACCTCA TTTGTGACAT GCGTTTTTGT GGCCCAACA GGGTTAACCA CTATTTCTGT  
GACATGGCAC CTGTTATCAA GTTAGCCTGC ACTGACACCC ATGTGAAAGA GCTGGCTTTA  
TTTAGCCTCA GCATCCTGGT AATTATGGTG CCTTTTCTGT TAATTCTCAT ATCCTATGGC  
TTCATAGTTA ACACCATCCT GAAGATCCCC TCAGCTGAGG GCAAGAAGGC CTTTGTACCC  
TGTGCCTCAC ATCTCACTGT GGTCTTTGTC CACTATGGCT GTGCCTCTAT CATCTATCTG  
CGGCCCAAGT CCAAGTCTGC CTCAGACAAG GATCAGTTGG TGGCAGTGAC CTACACAGTG  
GTTACTCCCT TACTTAATCC TCTTGTCTAC AGTCTGAGGA ACAAAGAGGT AAAAAGTACA  
TTGAAAAGAG TTCTTGAAT GCCTGTGGCA ACCAAGATGA GCTAA

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.

## Target Details

Gene:	OR10T2
Alternative Name:	OR10T2 ( <a href="#">OR10T2 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].

## Target Details

Gene ID: 128360

NCBI Accession: [NM\\_001004475](#)

## Application Details

Restrictions: For Research Use only

## Handling

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

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)