

Datasheet for ABIN4926117

## Human OR2T8 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR2T8
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 OR2T8 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	939 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAAAATG GGAGCTATAC CTCTTATTTT ATTCTCCTAG GACTCTTTAA CCACACCAGA GCCCACCAAG TCCTCTTCAT GATGGTTCTG AGTATCGTTT TGACCTCCCT GTTTGGCAAT TCCCTCATGA TTCTCCTGAT TCACTGGGAC CACCGGCTCC ACACGCCCAT GTACTTCCTC CTGAGCCAAC TTTCCCTCAT GGACGTGATG CTGGTTTCCA CCACTGTGCC CAAAATGGCG GCTGACTACT TGACCGGAAG TAAGGCCATC TCCCGCGCTG GCTGTGGTGC GCAGATCTTC

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## Product Details

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TTCTCCCCA CACTGGGTGG TGGAGAGTGC TTCCTCTTAG CAGCCATGGC CTATGACCGC  
TATGCGGCTG TCTGCCACCC ACTCCGATAT CCCACTCTCA TGAGCTGGCA GCTGTGCCTG  
AGGATGAACC TGTCGTGTTG GCTCCTGGGT GCAGCTGACG GGCTCCTGCA GGCTGTTGCT  
ACCCTGAGCT TCCCATATTG CGGTGCACAC GAGATCGATC ACTTCTTCTG CGAGACCCCC  
GTGCTGGTGC GTTTGGCTTG TGCTGACACT TCAGTCTTCG AAAACGCCAT GTACATCTGC  
TGTGTGTTAA TGCTCCTGGT CCCCTTTTCC CTCATCCTGT CCTCCTATGG TCTCATCCTC  
GCTGCTGTTT TGCACATGCG CTCTACAGAA GCCCGCAAGA AGGCCTTTCG CACCTGCTCT  
TCACATGTGG CTGTGGTGGG ACTCTTTTAT GGAGCTGCCA TTTTACCTA TATGAGACCC  
AAATCCCACA GGTCCACTAA CCACGACAAG GTTGTGTCAG CCTTCTATAC TATGTTCCACC  
CCTTTACTAA ACCCCCTCAT CTACAGTGTG AAGAACAGTG AGGTGAAGGG AGCCCTGACA  
AGGTGTATGG GTCGGTGTGT GGCCTTAAGT CGTGAATAA

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

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Gene:	OR2T8
Alternative Name:	OR2T8 ( <a href="#">OR2T8 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: 343172

NCBI Accession: [NM\\_001005522](#)

## 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)