

Datasheet for ABIN4926080

## Human OR4K17 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR4K17
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 OR4K17 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1032 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCTCTTT ATTTTTCAC TACTCCAT GGTATGAGTG ATCTTTTCTT TCTCTCTACA GGTCATCCAA GAGCGAGCTG TAGGATGGAG GCCATGAAAC TATTAAATCA ATCTCAAGTG TCAGAATTCA TTTTGCTGGG ACTGACCAGC TCCCAGGATG TAGAGTTTCT TCTCTTTGCC CTCTTCTCGG TTATCTATGT GGTCACAGTT TTGGGTAACC TTCTTATTAT AGTCACAGTG TTTAACACCC CTAACCTGAA TACTCCCATG TATTTTCTCC TTGGTAATCT CTCTTTTGTA

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## Product Details

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GATATGACCC TTGCTTCTTT TGCCACCCCT AAGGTGATTC TGAACCTGTT AAAAAAGCAG  
AAGGTAATTT CTTTTGCTGG GTGCTTCACT CAGATATTTTC TCCTTCACTT ACTGGGTGGG  
GTTGAAATGG TACTGTTGGT CTCCATGGCT TTTGACAGAT ATGTGGCCAT TTGTAAGCCC  
CTACACTACA TGACCATCAT GAACAAGAAG GTATGTGTTT TGCTTGTAGT GACCTCATGG  
CTCTTGGGTC TCCTTCACTC AGGGTTTCAG ATACCATTTG CTGTGAACTT GCCCTTTTGT  
GGTCCCAATG TGGTAGACAG CATTTTTTTGT GACCTCCCTT TGGTTACTAA GCTTGCCTGT  
ATAGACATAT ATTTTGTACA GGTAGTCATT GTTGCCAACA GTGGCATAAT CTCCTGAGC  
TGTTTCATTA TTTTGCTTAT CTCCTACAGT CTGATCCTCA TAACCATTAA GAACCACTCT  
CCTACTGGGC AATCTAAAGC CCGTTCCACT TTGACTGCTC ACATCACAGT GGTGATTCTC  
TTCTTTGGCC CATGCATCTT TATCTACATT TGGCCCTTCG GCAACCACTC TGTAGATAAG  
TTCCTTGCTG TGTTTTATAC CATCATCACT CCTATCTTGA ATCCAATTAT CTATACTCTG  
AGAAACAAAG AAATGAAGAT ATCCATGAAA AACTCTGGA GAGCTTTTGT GAATTCTAGA  
GAAGATACTT AG

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: OR4K17

Alternative Name: OR4K17 ([OR4K17 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

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## Target Details

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organism is independent of other organisms. [provided by RefSeq, Jul 2008].

Gene ID: 390436

NCBI Accession: [NM\\_001004715](#)

## 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)