

Datasheet for ABIN4918725

## Human OR5K3 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR5K3
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 OR5K3 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	966 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAATAAGG AGAATCACTC CTTGATAGCT GAGTTCATCC TCACAGGATT TACATATCAT CCAAAGCTGA AGACTGTTCT GTTTGTGGTG TTCTTTGCCA TCTATCTGAT CACCATGGTG GGGAACATTG GTTTGGTGGC ATTGATTTAT ATAGAGCAAC GTCTTCACAC ACCAATGTAC ATATTTTTAG GCAACCTAGT TCTGATGGAT TCCTGCTGTT CCTCTGCTAT TACTCCCAAG ATGTTAGAGA ACTTCTTTTC TGAGGACAAA AGGATTACCC TGTATGAATG TATGGCACAA

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

## Product Details

---

TTTTATTTTC TCTGTCTTGC TGAAACTACA GACTGCTTTC TTCTGGCGGC AATGGCCTAT  
GACTGCTATG TGGCCATATG CAACCCACTG CAGTACCACA CCATGATGTC CAAGACACTC  
TGCATTCAGA TGACTGCAGG AGCCTACCTA GCTGGCAACC TGCATCCCAT GATTGAAGTA  
GAGTTTCTGT TGAGGTAAAC TTTCTGTGGG TCTCATCAA TCAATCATTT TTTCTGTGAT  
GTTCTTCCAT TATATAGACT TTCTTGATT AACCCCTATA TCAATGAATT GGTGTTATTT  
ATCTTGGCAG GATCAATTCA AATCTTACT ATAGTCTTAG TTTCTTATTT CTACATCCTT  
TTCACAATAT TTACAATGAA ATCCAAGGAG GGAAGAGGCA AAGCTTTATC TACTTGTGCA  
TCTCACTTTC TCTCTGTGTC AATATTCTGT GATTCCCTTC TCTTCATGTA TGCTCGACCA  
GGTGCAGTTA ATGAAGGGGA TAAAGATATA CCTGTTGCTA TATTTTATAC TTTAGTTATT  
CCTTTATTA ATCCTTTTAT TTATAGCCTA AGAAATAAGG AAGTAATAAA TATTATGAAA  
AAAATTATGA AGAAGAGAAA ATTTTGTAC ATTCTGAAAC AAATGTCATC CCCTCTGGCA  
ACTTGA

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

---

Gene: OR5K3

Alternative Name: OR5K3 ([OR5K3 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].

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

## Target Details

---

Gene ID: 403277

NCBI Accession: [NM\\_001005516](#)

## 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)