

Datasheet for ABIN4918722

## Human OR6P1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	OR6P1
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 OR6P1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	954 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAGAAATT TGAGTGGAGG CCATGTCGAG GAGTTTGTCT TGGTGGGTTT CCCTACCAGG CCTCCCCTCC AGCTGCTCCT CTTTGTCTTT TTTTGTGCAA TTTACCTTCT GACATTGTTG GAGAATGCAC TTATTGTCTT CACAATATGG CTTGCTCCAA GCCTTCATCG TCCCATGTAC TTTTTCCTTG GCCATCTCTC TTTCTGGAG CTATGGTACA TCAATGTCAC CATTCTCGG CTCTTGGCAG CCTTTCTTAC CCAGGATGGT AGAGTCTCCT ACGTAGGTTG CATGACCCAA

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

---

CTGTACTTCT TTATTGCCTT AGCCTGACT GAATGTGTGC TGTGGCAGT TATGGCCTAT  
GATCGCTACC TGGCCATCTG TGGACCCCTC CTTTACCCTA GTCTCATGCC TTCCAGTCTG  
GCCACTCGCC TTGCTGCTGC CTCTTGGGGC AGTGGCTTCT TCAGCTCCAT GATGAAGCTT  
CTTTTTATTT CCCAATTGTC CTA CTACTGTGGA CCCAACATTA TCAACCACTT TTTCTGTGAT  
ATTTCCCCAC TACTCAACCT CACCTGCTCT GACAAGGAGC AAGCAGAGCT AGTAGACTTC  
CTTCTGGCCC TGGTGATGAT TCTACTCCCT CTATTGGCTG TGGTTTCATC ATACACTGCC  
ATCATTGCAG CCATCCTGAG GATCCCTAGC TCCAGGGGAC GCCACAAAGC CTTTTCCACT  
TGTGCCGCTC ATCTGGCAGT GGTTGTTATC TACTACTCCT CCACTCTCTT CACCTATGCA  
CGCCCCGGG CCATGTACAC CTCAACCAC AACAAGATTA TCTCTGTGCT CTACACTATC  
ATTGTACCAT TCTTCAACCC AGCCATCTAC TGCCTGAGGA ACAAGGAGGT GAAGGAGGCC  
TTCAGGAAGA CAGTGATGGG CAGATGTCAC TATCCTAGGG ATGTTTCAGGA CTGA

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:	OR6P1
Alternative Name:	OR6P1 ( <a href="#">OR6P1 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].

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: 128366

NCBI Accession: [NM\\_001160325](#)

## 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)