

Datasheet for ABIN4925993

Human OR6C76 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | OR6C76 |
| 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 OR6C76 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: | ATGAAAATA GAACATCAGT GACAGATTTTC ATCCTTCTGG GTCTGACGGA TAATCCGCAA CTGCAGGTTG TGATTTTCTC GTTCCTATTT CTTACGTATG TACTGAGTGT TACTGGAAAT CTAACTATCA TCTCCCTTAC CCTGCTGGAT TCCCACCTGA AGACCCCAT GTATTTCTTC CTCAGGAATT TCTCCTTGA AATTTCAATTT ACTTCTGTCT GTAATCCTAG ATTTCTGATC AGCATTCTAA CAGGGGACAA ATCCATATCT TATAATGCTT GTGCAGCTCA GCTATTTTTC |

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Product Details

TTTATCTTCC TTGGCTCAAC GGAGTTTTTC CTCCTGGCCT CTATGTCCTA TGATTGCTAT
GTGGCTATAT GTAAGCCTCT GCATTATACA ACCATCATGA GTGACAGGAT CTGTTATCAG
CTTATAATCA GCTCTTGGCT GGCTGGTTTC TTGGTAATTT TTCCACCACT GGCCATGGGC
TTACAGCTGG ATTTCTGTGA CTCCAATGTC ATTGACCACT TTACCTGTGA CTCTGCTCCT
TTGCTGCAAA TCTCTTGAC AGACACAAGT ACTCTAGAGC TCATGAGCTT TATTTTAGCT
CTGTTTACTC TTATATCCAC TTTGATATTA GTAATTCTCT CCTATACTTA CATCATCAGA
ACTATTCTGA GAATCCCCTC AGCACAGCAA AGAAAAAAG CCTTTTCAAC CTGCTCCTCA
CATGTGATTG TTGTCTCTAT CTCTTATGGA AGCTGCATCT TCATGTATGT GAAAACATCA
GCAAAGGAAG GAGTTGCTTT GACAAAAGGA GTAGCTATAC TCAATACCTC TGTCGCTCCT
ATGCTGAATC CATTATTTA CACTCTAAGA AACCAGCAGG TGAAACAAGC ATTTAAGGAT
GTTCTGAGAA AGATTTCCTA CAAAAAATAA AAACACTGA

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: OR6C76

Alternative Name: OR6C76 ([OR6C76 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].

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Target Details

Gene ID: 390326

NCBI Accession: [NM_001005183](#)

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)