

Datasheet for ABIN4926001

Human OR6C2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR6C2
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 OR6C2 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:	ATGAAAACC ACACAGTAAT AAGAACTTTT ATCCTGCTGG GACTGACAGG TGACCCACAC CTGCAAGTTC TGCTTTTTAT CTTTCTATTT CTCACCTACA TGTTGAGTGT AACAGGGAAC CTGACTATTA TCACCCTCAC ATTGGTGGAC CACCACCTTA AAACCTCCTAT GACTTCTTT CTCAGAAATT TTTCTTCTT AGAAGTCTCA TTTACTACAG TCTGCATTCC CAGATTCTTG TACAATATAT CAATGGGGGA CAATACCATT ACCTACAATG CTTGTGCCAG TCAAATATTC

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Product Details

TTTGTTATTC TCTTTGGAGC AACAGAATTT TTTCTCTTGG CAGCCATGTC CTATGACCGC
TATGTGGCCA TCTGTAAACC CCTTCATTAT GTGGTCATCA TGAACAACAG GGTGTGTACC
TTATTAGTTC TCTGCTGTTG GGTGGCTGGC TTGATGATCA TTGTTCCACC ACTTAGCTTA
GGCCTCCAGC TCGAATTCTG TGACTCCAAT GCCATTGATC ATTTTAGCTG TGATGCAGGT
CCTCTCCTAA AGATCTCATG CTCAGATACA TGGGTAATAG AACAGATGGT TATACTTATG
GCTGTATTTG CACTCATTAT CACCCTAGTT TGTGTGATTG TGTCCTACTT GTACATAGTC
AGAACAATTC TGAAGTCCC TTCTGTTCAG CAAAGGAAAA AGGCCTTTTC TACCTGTTCA
TCCCACATGA TTGTGGTTTC CATTGCCTAT GGAAGCTGCA TCTTCATCTA TATCAAGCCC
TCTGCAAAAAG ATGAGGTGGC CATAAATAAA GGAGTTTCAG TTCTTACTAC TTCTGTGCGCA
CCCTTGTGGA ACCCCTTCAT TTACACCTTG AGGAACAAGC AAGTGAAACA AGCTTTCAGT
GACTCTATAA AGAGGATTGC ATTTCTCTCA AAGAAGTAG

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: OR6C2

Alternative Name: OR6C2 ([OR6C2 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

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Target Details

Gene ID: 341416

NCBI Accession: [NM_054105](#)

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)