

Datasheet for ABIN4925966

Human OR8G1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR8G1
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 OR8G1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	936 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTCAGGAG AAAATAATTC CTCAGTGACT GAGTTCATTC TGGCTGGGCT CTCAGAACAG CCAGAGCTCC AGCTGCCCT CTTCTCCTG TTCTTAGGAA TCTATGTGGT CACAGTGGTG GGCAACCTGG GCATGACCAC ACTGATTTGG CTCAGTTCTC ACCTGCACAC CCCTATGTAC TATTTCTCA GCAGTCTGTC CTTCAATTGAC TTCTGCCATT CCACTGTCAT TACCCCTAAG ATGCTGGTGA ACTTTGTGAC AGAGAAGAAC ATCATCTCCT ACCCTGAATG CATGACTCAG

Order at www.genomics-online.com

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

Product Details

CTCTACTTCT TCCTCGTTTT TGCTATTGCA GAGTGTGACA TGTTGGCTGC AATGGCGTAT
GACCGTTACA TGGCCATCTG TAGCCCCTTG CTGTACAGTG TCATCATATC CAATAAGGCT
TGCTTTTCTC TGATTTTAGG GGTGTATATA ATAGGCCTGG TTTGTGCATC AGTTCATACA
GGCTGTATGT TTAGGGTTCA ATTCTGCAAA TTTGATTGA TTAACCATTA TTTCTGTGAT
CTTCTTCCCC TCCTAAAGCT CTCTTGCTCT AGTATCTATG TCAACAACT ACTTATTCTA
TGTGTTGGTG CATTAAACAT CCTTGTCCCC AGCCTGACCA TCCTTTGCTC TTACATCTTT
ATTATTGCCA GCATCCTCCA CATTGCTCC ACTGAGGGCA GGTCCAAAGC CTTCAGCACT
TGTAGCTCCC ACATGTTGGC GGTTGTAATC TTTTTTGGAT CTGCAGCATT CATGTA CTTG
CAGCCATCTT CAATCAGCTC CATGGACCAG GGGAAAGTAT CCTCTGTGTT TTATACTATT
ATTGTGCCCA TGTTGAACCC TCTGATTTAT AGCCTGAGGA ATAAAGATGT CCATGTTTCC
CTGAAGAAAA TGCTACAGAG AAGAACATTA TTGTAA

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: OR8G1

Alternative Name: OR8G1 ([OR8G1 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. This family member represents a polymorphic pseudogene, whereby some individuals have a functional allele that encodes a full-length

Order at www.genomics-online.com

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

Target Details

protein, while others have a non-functional allele due to the presence of an early stop codon and a 3' end deletion. [provided by RefSeq, Feb 2014].

Gene ID: 26494

NCBI Accession: [NM_001002905](#)

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)