

Datasheet for ABIN4925962

Human OR8H2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR8H2
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 OR8H2 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:	ATGATGGGTA GAAGGAATAA CACAAATGTG GCTGACTTCA TCCTTATGGG ACTGACACTT TCTGAAGAGA TCCAGATGGC TCTGTTTATG CTATTTCTCC TGATATACCT AATTACTATG CTGGGGAATG TGGGGATGAT ATTGATAATC CGCCTGGACC TCCAGCTTCA CACTCCCATG TATTTTTTCC TTA CTACCT GTCATTTATT GACCTCAGTT ACTCAACTGT CGTCACACCT AAAACCTTAG CGAACTTACT GACTTCCAAC TATATTTCTT TTACGGGCTG CTTTGCCCAG

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Product Details

ATGTTCTTTT TTGCCTTCTT GGGTACTGCT GAATGTTACC TTCTCTCCTC AATGGCCCAT
GATCGCTATG CAGCGATCTG CAGTCCTCTA CACTACACAG TTATTATGTC CAAAAGGCTC
TGCCTCGCTC TCATCACTGG GCCTTATGTG ATTGGCTTTA TAGACTCCTT TGCAACGTG
GTTTCCATGA GCAGATTGCA TTTCTACGAC TCAAACGTAA TTCATCACTT TTTCTGTGAC
ACTTCCCCAA TTTTAGCTCT GTCCTGCACT GATACATACA ACACCGAAAT CCTGATATTC
ATTATTGTTG GTTCCACCCT GATGGTGTCC CTTTTACAAA TATCTGCATC CTATGTGTTT
ATTCTCTTTA CCATCCTGAA AATTAATTCC ACTTCAGGAA AGCAGAAAGC TTTCTCTACT
TGCGTCTCTC ATCTCTTGGG AGTCACCATC TTTTATAGCA CTCTGATTTT TACTTATTTA
AAACCAAGAA AGTCTTATTC CTTGGGAAGA GATCAAGTGG CTTCTGTTTT TTATACTATT
GTGATTCCCG TGCTGAATCC ACTCATTTAT AGTCTTAGAA ACAAAGAGGT GAAAAATGCT
GTCATCAGAG TCATGCAGAG AAGACAGGAC TCCAGGTAA

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: OR8H2

Alternative Name: OR8H2 ([OR8H2 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: 390151

NCBI Accession: [NM_001005200](#)

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)