

Datasheet for ABIN4925955

Human OR8S1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	OR8S1
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 OR8S1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1080 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCTTGG GGAATCACAG CACCATCACC GAGTTCCTCC TCCTGGGCT GTCTGCCGAC CCCAACATCC GGGCTCTGCT CTTTGTGCTG TTCCTGGGGA TTTACCTCCT GACCATAATG GAAAACCTGA TGCTGCTGCT CATGATCAGG GCTGATTCTT GTCTCCATAA GCCCATGTAT TTCTTCTGA GTCACCTCTC TTTTGTGAT CTCTGCTTCT CTCAGTCAT TGTGCCCAAG ATGCTGGAGA ACCTCCTGTC ACAGAGGAAA ACCATTTTCAG TAGAGGGCTG CCTGGCTCAG

Order at www.genomics-online.com

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

Product Details

GTCTTCTTTG TGTTTGTAC TGCAGGGACT GAAGCCTGCC TTCTCTCAGG GATGGCCTAT
GACCGCCATG CTGCCATCTG CCGCCCACTA CTTTATGGAC AGATCATGGG TAAACAGCTG
TATATGCACC TTGTGTGGGG CTCATGGGGA CTGGGCTTTC TGGACGCACT CATCAATGTC
CTCCTAGCTG TAAACATGGT CTTTTGTGAA GCCAAAATCA TTCACCACTA CAGCTATGAG
ATGCCATCCC TCCTCCCTCT GTCCTGCTCT GATATCTCCA GAAGCCTCAT CGCCTTGCTC
TGCTCCACTC TCCTACATGG GCTGGGAAAC TTCCTTTTGG TCTTCTTATC CTACACCCGT
ATAATCTCTA CCATCCTAAG CATCAGCTCT ACCTCGGGCA GAAGCAAGGC CTTCTCCACC
TGCTCTGCCC ACCTCACTGC AGTGACACTT TACTATGGCT CAGGTTTGCT CCGCCATCTC
ATGCCAAACT CAGGTTCCCC CATAGAGTTG ATCTTCTCTG TGCAGTATAC TGTAGTCACT
CCCATGCTGA ATTCCCTCAT CTATAGCCTG AAAAAAAGG AAGTGAAGGG GGAAAGAAGC
CTCCGGGACA GCAGTCATTT GCCTCAGCTG CACAAAGGCC AGGCCAGATG GAAGAGACCA
GCCTTCACCG AAGGCCGCAG GGAGCCCGGA CACCCGGAGC TGAGCATTCC GGTCACGCCT
CAACCCCAAG GGGCCTGCGC ATGCTCCGCG CTGCGCGCGG CGCCCACGGC CCTGCCCTGA

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: OR8S1

Alternative Name: OR8S1 ([OR8S1 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

Order at www.genomics-online.com

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

Target Details

organism is independent of other organisms. [provided by RefSeq, Jul 2008].

Gene ID: 341568

NCBI Accession: [NM_001005203](#)

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)