

Datasheet for ABIN4926206

Human OR11H1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | OR11H1 |
| 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 OR11H1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 981 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGTGTCCCT TGACCTTGCA GGTCACCTGGC CTAATGAATG TCTCTGAGCC AAATTCCAGC TTTGCTTTTG TAAATGAATT TATACTCCAA GGTTTCTCTT GTGAGTGGAC AATTCAGATC TTCCTCTTCT CACTCTTTAC TACAACATAT GCACTGACTA TAACAGGGAA TGGAGCCATT GCTTTTGTCC TGTGGTGTGA CCGGCGACTT CACTCTCCA TGTACATGTT CCTGGGAAAT TTCTCCTTTT TAGAGATATG GTATGTCTCT TCTACAGTTC CCAAGATGTT GGTCAACTTC |

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Product Details

CTTTCAGAGA AAAAAACAT CTCCTTTGCT GGATGTTTTTCCAGTTTTTA TTTCTTCTTC
TCTTTGGGTA CATCAGAATG CTTGCTTTTG ACTGTGATGG CCTTTGATCA GTACCTTGCT
ATCTGCCGTC CCTTGCTCTA TCCTAATATC ATGACTGGGC ATCTCTATGC CAAACTGGTC
ATACTGTGCT GGGTTTGTGG ATTTCTGTGG TTCCTGATCC CCATTGTTCT CATCTCTCAG
ATGCCCTTCT GTGGCCCAA CATTATTGAC CATGTTGTGT GTGACCCAGG GCCACGATTT
GCATTGGATT GTGTTTCTGC CCCAAGAATC CAACTGTTTT GCTACACTCT AAGCTCATT
GTTATTTTTG GTAACCTCCT CTTTATTATT GGATCCTATA CTCTTGTCT GAAAGCTATG
TTGGGTATGC CTTCAAGCAC TGGGAGACAT AAGGCCTTCT CTACCTGTGG GTCTCATTG
GCTGTGGTAT CACTGTGCTA TAGCTCTCTT ATGGTCATGT ATGTGAGCCC AGGACTCGGA
CATTCTACAG GGATGCAGAA AATTGAACT TTGTTCTATG CTATGGTGAC CCCACTCTTC
AATCCCCTTA TCTATAGCCT CCAGAATAAG GAGATAAAGG CAGCCCTGAG GAAAGTTCTG
GGGAGTTCCA ACATAATCTA A

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: OR11H1

Alternative Name: OR11H1 ([OR11H1 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: 81061

NCBI Accession: [NM_001005239](#)

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)