

Datasheet for ABIN4926212

Human OR10V1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | OR10V1 |
| 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 OR10V1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 930 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGGAAGGAA TAAATAAAAC TGCAAAGATG CAGTTTTTCT TTCGTCCATT CTCACCTGAC CCTGAGGTCC AGATGCTGAT TTTTGTGGTC TTCCTGATGA TGTATCTGAC CAGCCTCGGT GGAAATGCTA CAATTGCAGT CATTGTTT CAG ATCAATCATT CCCTCCACAC CCCCATGTAC TTTTTCTGG CTAATCTGGC AGTTCTAGAA ATCTTCTATA CATCTTCCAT CACCCCATTG GCCTTGCAA ACCTCCTTTC AATGGGCAA ACTCCTGTTT CCATCACGGG ATGTGGCACC |

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Product Details

CAGATGTTTT TCTTTGTCTT CTTGGGTGGG GCTGATTGTG TCCTGCTGGT AGTCATGGCT
TATGACCAGT TTATAGCGAT CTGTCACCCT CTGCGATACA GGCTCATCAT GAGCTGGTCC
TTGTGTGTGG AGCTGCTGGT AGGCTCCTTG GTGCTGGGGT TCCTGTTGTC ACTGCCACTC
ACCATTTTAA TCTTCCATCT CCCATTCTGC CACAATGATG AGATCTACCA CTTCTACTGT
GACATGCCTG CAGTCATGCG CCTGGCTTGT GCAGACACAC GCGTTCACAA GACTGCTCTG
TATATCATCA GCTTCATCGT CCTTAGCATC CCCCTCTCAT TGATCTCCAT CTCCTATGTC
TTCATCGTGG TAGCCATTTT ACGGATCCGG TCAGCAGAAG GGCGCCAGCA AGCCTACTCT
ACCTGCTCTT CTCACATCTT AGTGGTCCTC CTGCAGTATG GCTGCACCAG CTTTATATAC
TTGTCCCCCA GTTCCAGCTA CTCTCCTGAG ATGGGCCGGG TGGTATCTGT GGCCTACACA
TTTATCACTC CCATTTTAAA CCCCTTGATC TATAGTTTGA GGAACAAGGA ACTGAAAGAT
GCCCTAAGGA AAGCATTGAG AAAATTCTAG

| | |
|--------------------|--|
| 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: | <ul style="list-style-type: none">• 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: | OR10V1 |
| Alternative Name: | OR10V1 (OR10V1 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: 390201

NCBI Accession: [NM_001005324](#)

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)