

Datasheet for ABIN5468333

Human OR7C2 ORF Clone in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | OR7C2 |
| Species: | Human |
| Fusion tag: | Myc-DYKDDDDK Tag |
| Insert: | ORF |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP) |

Product Details

| | |
|-----------------------|--|
| Purpose: | Mammalian Vector with ORF clone of Human olfactory receptor, family 7, subfamily C, member 2 (OR7C2) |
| Brand: | TrueORF |
| Insert Length: | 960 bp |
| Vector Backbone: | pCMV6-Entry |
| Promoter: | CMV Promoter |
| Bacterial Resistance: | Kanamycin |
| Expression Type: | Transient |
| Specificity: | Restriction Site: SgfI-MluI |
| Sequencing Primer: | VP1.5 (forward) 5'GGACTTTCCAAAATGTCTG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3' |
| Grade: | End-sequenced |
| Components: | The ORF clone is ion-exchange column purified, transfection-ready dried plasmid DNA, and |

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Product Details

shipped with 2 vector sequencing primers.

Target Details

Gene: OR7C2

Abstract: [OR7C2 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.

NCBI Accession: [NM_012377](#), [NP_036509](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: 4 °C/-20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)