

Product datasheet for SC300595

OR4S2 (NM 001004059) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: OR4S2 (NM_001004059) Human Untagged Clone

Tag: Tag Free Symbol: OR4S2

Synonyms: OR4S2P; OR11-137; OST725

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC300595 representing NM_001004059.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

TGGGGCAGAAATGTTTTCTTGGAGGCTAAAGGGAAA<mark>TAG</mark>

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



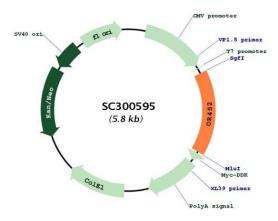
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Plasmid Map:



ACCN: NM 001004059

Insert Size: 936 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a

point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative

RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning

into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeg: NM 001004059.2

RefSeq Size: 936 bp RefSeq ORF: 936 bp



OR4S2 (NM_001004059) Human Untagged Clone - SC300595

Locus ID: 219431 **UniProt ID: Q8NH73** Cytogenetics: 11q11

Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

MW: 35.2 kDa

Gene Summary: 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 codingexon 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]