

Product datasheet for RC213291L3

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TAS2R49 (TAS2R20) (NM_176889) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TAS2R49 (TAS2R20) (NM_176889) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: TAS2R49

Synonyms: T2R20; T2R49; T2R56; TAS2R49

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

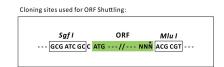
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213291).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_176889

ORF Size: 927 bp





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OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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.

RefSeq: <u>NM 176889.1</u>, <u>NP 795370.2</u>

 RefSeq Size:
 1914 bp

 RefSeq ORF:
 930 bp

 Locus ID:
 259295

 UniProt ID:
 P59543

 Cytogenetics:
 12p13.2

Protein Families: Transmembrane
Protein Pathways: Taste transduction

MW: 35.4 kDa

Gene Summary: This gene encodes a member of the taste receptor two family of class C G-protein coupled

receptors. Receptors of this family have a short extracellular N-terminus, seven

transmembrane helices, three extracellular loops and three intracellular loops, and an intracellular C-terminus. Members of this family are expressed in a subset of taste receptor cells, where they function in bitter taste reception, as well as in non-gustatory cells including those of the brain, reproductive organs, respiratory system, and gastrointestinal system. This gene maps to the taste receptor gene cluster on chromosome 12p13. [provided by RefSeq, Jul

2016]