

Product datasheet for RC223792L3

OriGene Technologies, Inc.

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TAS2R43 (NM_176884) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TAS2R43 (NM 176884) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: TAS2R43

Synonyms: T2R43; T2R52

Mammalian Cell Puromycin

Selection:

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

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

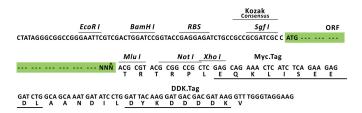
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223792).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



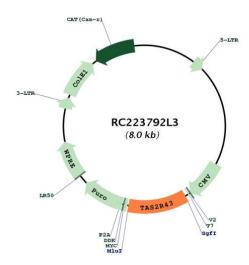


 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_176884

ORF Size: 927 bp

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 176884.1, NP 795365.1</u>

RefSeq Size: 1027 bp RefSeq ORF: 930 bp



TAS2R43 (NM_176884) Human Tagged Lenti ORF Clone - RC223792L3

 Locus ID:
 259289

 UniProt ID:
 P59537

 Cytogenetics:
 12p13.2

Protein Pathways: Taste transduction

MW: 35.5 kDa

Gene Summary: TAS2R43 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of

taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information

on TAS2Rs, see MIM 604791.[supplied by OMIM, Mar 2009]