

Product datasheet for RC222288L3

OriGene Technologies, Inc.

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TAS2R16 (NM_016945) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TAS2R16 (NM_016945) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: TAS2R16

Synonyms: BGLPT; T2R16

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(RC222288).

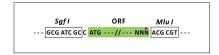
Sgfl-Mlul

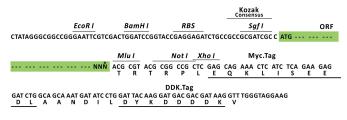
Sequence:

Restriction Sites:

Cloning Scheme:

Cloning sites used for ORF Shuttling:





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

ACCN: NM_016945

ORF Size: 873 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 016945.2</u>

 RefSeq Size:
 996 bp

 RefSeq ORF:
 876 bp

 Locus ID:
 50833

 UniProt ID:
 Q9NYV7

Cytogenetics: 7q31

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Taste transduction

MW: 34 kDa

Gene Summary: This gene encodes a member of a family of candidate taste receptors that are members of

the G protein-coupled receptor superfamily. These family members are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes in chromosome 7 and is

genetically linked to loci that influence bitter perception. [provided by RefSeq, Jul 2008]