

Product datasheet for RC221969L3

OriGene Technologies, Inc.

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OR2T33 (NM_001004695) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: OR2T33 (NM_001004695) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: OR2T33

Synonyms: OR1-56; OR2T32

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 clor

Sequence:

The ORF insert of this clone is exactly the same as(RC221969).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001004695

ORF Size: 960 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 001004695.1</u>, <u>NP 001004695.1</u>

 RefSeq Size:
 963 bp

 RefSeq ORF:
 963 bp

 Locus ID:
 391195

 UniProt ID:
 Q8NG76

 Cytogenetics:
 1q44

Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

MW: 35.7 kDa

Gene Summary: Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal

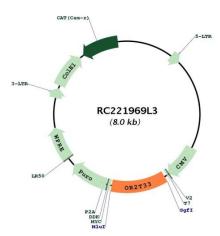
response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many

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. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC221969L3