

Product datasheet for RC221441L3

OriGene Technologies, Inc.

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C15ORF27 (TMEM266) (NM_152335) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C15ORF27 (TMEM266) (NM_152335) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: C15ORF27

Synonyms: C15orf27; HsHVRP1; hTMEM266; HVRP1

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(RC221441).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_152335

ORF Size: 1593 bp





C15ORF27 (TMEM266) (NM_152335) Human Tagged Lenti ORF Clone - RC221441L3

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 152335.2</u>

 RefSeq Size:
 2414 bp

 RefSeq ORF:
 1596 bp

 Locus ID:
 123591

 UniProt ID:
 Q2M3C6

 Cytogenetics:
 15q24.2

Protein Families: Druggable Genome, Transmembrane

MW: 58.3 kDa

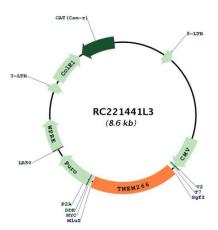
Gene Summary: Voltage-sensor protein present on the post-synaptic side of glutamatergic mossy fibers and

granule cells in the cerebellum (PubMed:25165868, PubMed:30810529). Despite the presence of a voltage-sensor segment, does not form a functional ion channel and its precise role remains unclear (PubMed:25165868, PubMed:30810529). Undergoes both rapid and slow structural rearrangements in response to changes in voltage (PubMed:30810529). Contains a zinc-binding site that can regulate the slow conformational transition (PubMed:30810529).

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC221441L3