

Product datasheet for RC225433L1

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RRAD (NM_001128850) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RRAD (NM_001128850) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: RRAD

Synonyms: RAD; RAD1; REM3

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC225433).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001128850

ORF Size: 924 bp





RRAD (NM_001128850) Human Tagged Lenti ORF Clone - RC225433L1

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001128850.1</u>, <u>NP 001122322.1</u>

 RefSeq ORF:
 927 bp

 Locus ID:
 6236

 UniProt ID:
 P55042

 Cytogenetics:
 16q22.1

 MW:
 33.1 kDa

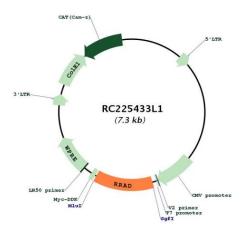
Gene Summary: May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-

gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation

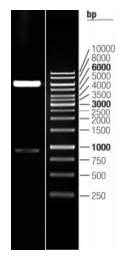
of CAMK2D.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC225433L1



Double digestion of RC225433L1 using Sgfl and Mlul $\,$