

Product datasheet for RC212324L3

OriGene Technologies, Inc.

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RED1 (ADARB1) (NM_015833) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RED1 (ADARB1) (NM_015833) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: RED1

Synonyms: ADAR2; DRABA2; DRADA2; NEDHYMS; RED1

Mammalian Cell Puromycin

Selection:

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

Sgfl-RsrII

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212324).

Sequence:

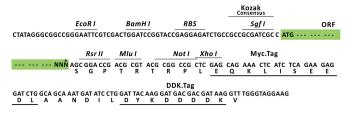
e:

Restriction Sites: Cloning Scheme:

 Cloning sites used for ORF Shuttling:

 SgfI
 ORF
 Rsr II

 ---- GCG ATC GC
 ATG ---//--- NNN AG C GGA CCG --



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

ACCN: NM_015833

ORF Size: 2223 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.

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

0.22um filter is required.

RefSeq: <u>NM 015833.1</u>

RefSeq Size:5035 bpRefSeq ORF:2226 bp

Locus ID: 104

UniProt ID: P78563

Cytogenetics: 21q22.3

Domains: DSRM, A_deamin

Protein Families: Druggable Genome

MW: 80.6 kDa

Gene Summary: This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor

subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several

transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region. [provided by RefSeq, Jul 2008]