

Product datasheet for RC212379L4V

OriGene Technologies, Inc.

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RED1 (ADARB1) (NM 015834) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: RED1 (ADARB1) (NM 015834) Human Tagged ORF Clone Lentiviral Particle

Symbol: RED

Synonyms: ADAR2; DRABA2; DRADA2; NEDHYMS; RED1

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_015834 **ORF Size:** 2142 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC212379).

Sequence:

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.

RefSeg: NM 015834.3

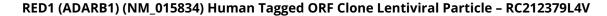
RefSeq Size: 3605 bp
RefSeq ORF: 2145 bp
Locus ID: 104
UniProt ID: P78563

Cytogenetics: 21q22.3

Protein Families: Druggable Genome

MW: 77.8 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]