

Product datasheet for RR200427L4

Adarb1 (NM_012894) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Adarb1 (NM_012894) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Adarb1

Synonyms: Adar2; Red1

Mammalian Cell Puromycin

Selection:

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

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

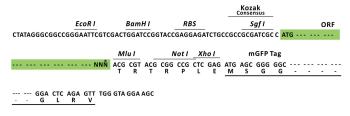
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR200427).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_012894

ORF Size: 2133 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

Adarb1 (NM_012894) Rat Tagged Lenti ORF Clone - RR200427L4

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 012894.2</u>, <u>NP 037026.2</u>

 RefSeq Size:
 6412 bp

 RefSeq ORF:
 2136 bp

 Locus ID:
 25367

 UniProt ID:
 P51400

 Cytogenetics:
 20p12

Gene Summary: This gene encodes a double-stranded-RNA-specific adenosine deaminase that is involved in

editing pre-mRNAs by site-specific conversion of adenosine (A) to inosine (I). Substrates for

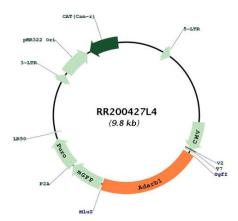
this enzyme include ionotropic glutamate receptors (GluR2-6) and serotonin receptor

(5HT2C). Studies in rodents have shown that this protein can modify its own pre-mRNA by A->I editing to create a novel acceptor splice site, alternative splicing to which results in down regulation of its protein expression. Additional splicing events result in transcript variants

encoding different isoforms. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RR200427L4