

Product datasheet for RC208242L4

OriGene Technologies, Inc.

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Neuronal calcium binding protein (NECAB3) (NM_031231) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Neuronal calcium binding protein (NECAB3) (NM 031231) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Neuronal calcium binding protein

Synonyms: APBA2BP; dJ63M2.4; dJ63M2.5; EFCBP3; NIP1; STIP3; SYTIP2; XB51

Mammalian Cell

Selection:

Puromycin

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

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

ORF Nucleotide

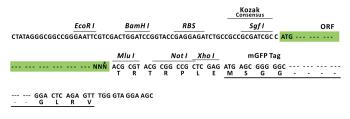
The ORF insert of this clone is exactly the same as(RC208242).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_031231

ORF Size: 1086 bp





Neuronal calcium binding protein (NECAB3) (NM_031231) Human Tagged Lenti ORF Clone – RC208242L4

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.

20q11.22

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 031231.3</u>

 RefSeq Size:
 1961 bp

 RefSeq ORF:
 1089 bp

 Locus ID:
 63941

 UniProt ID:
 Q96P71

Domains: EFh

Cytogenetics:

MW: 40.8 kDa

Gene Summary: The protein encoded by this gene interacts with the amino-terminal domain of the neuron-

specific X11-like protein (X11L), inhibits the association of X11L with amyloid precursor protein through a non-competitive mechanism, and abolishes the suppression of beta-amyloid production by X11L. This protein, together with X11L, may play an important role in

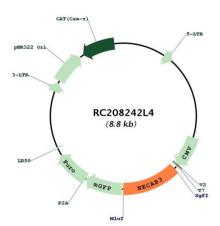
the regulatory system of amyloid precursor protein metabolism and beta-amyloid

generation. The protein is phosphorylated by NIMA-related expressed kinase 2, and localizes to the Golgi apparatus. Multiple transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC208242L4