

Product datasheet for RC200562L4

OriGene Technologies, Inc.

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Synaptogyrin 1 (SYNGR1) (NM_145731) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Synaptogyrin 1 (SYNGR1) (NM_145731) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Synaptogyrin 1

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(RC200562).

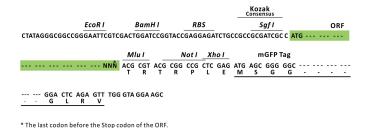
Sequence:

ACCN:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





NM_145731

ORF Size: 573 bp

Synaptogyrin 1 (SYNGR1) (NM_145731) Human Tagged Lenti ORF Clone - RC200562L4

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 145731.2</u>

 RefSeq Size:
 1341 bp

 RefSeq ORF:
 576 bp

 Locus ID:
 9145

 UniProt ID:
 043759

Cytogenetics: 22q13.1

Domains: MARVEL

Protein Families: Transmembrane

MW: 21 kDa

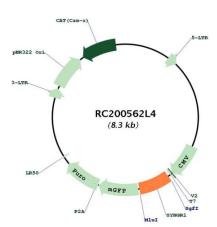
Gene Summary: This gene encodes an integral membrane protein associated with presynaptic vesicles in

neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. The gene product belongs to the synaptogyrin gene family. Three alternatively spliced variants encoding three different isoforms have been identified. [provided by RefSeq,

Jul 2008]



Product images:



Circular map for RC200562L4