

Product datasheet for RC220854L1

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VAMP1 (NM_014231) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: VAMP1 (NM_014231) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: VAMP1

Synonyms: CMS25; SPAX1; SYB1; VAMP-1

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220854).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014231

ORF Size: 354 bp



VAMP1 (NM_014231) Human Tagged Lenti ORF Clone - RC220854L1

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 014231.3</u>

RefSeq Size: 2748 bp

RefSeg ORF: 357 bp

Locus ID: 6843

UniProt ID: P23763

Cytogenetics: 12p13.31

Domains: synaptobrevin

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

MW: 12.7 kDa

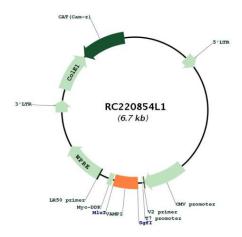
Gene Summary: Synapotobrevins, syntaxins, and the synaptosomal-associated protein SNAP25 are the main

components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined.

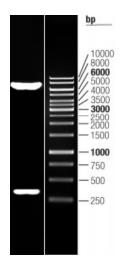
[provided by RefSeq, Jul 2014]



Product images:



Circular map for RC220854L1



Double digestion of RC220854L1 using Sgfl and Mlul