

Product datasheet for RC205345L1

SV2B (NM_014848) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SV2B (NM_014848) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: SV2B

Synonyms: HsT19680

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(RC205345).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014848

ORF Size: 2049 bp



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SV2B (NM_014848) Human Tagged Lenti ORF Clone - RC205345L1

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 014848.4</u>

RefSeq Size: 11361 bp RefSeq ORF: 2052 bp

Locus ID: 9899

UniProt ID: Q7L112

Cytogenetics: 15q26.1

Domains: sugar_tr

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: ECM-receptor interaction

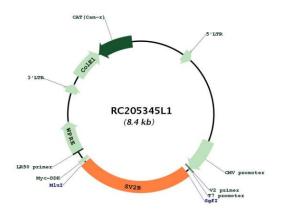
MW: 77.4 kDa

Gene Summary: This gene encodes a member of the synaptic vesicle proteins 2 (SV2) family and major

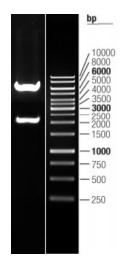
facilitator superfamily of proteins. This protein and other members of the family are localized to synaptic vesicles and may function in the regulation of vesicle trafficking and exocytosis. Studies in mice suggest that the encoded protein may act as a protein receptor for botulinum neurotoxin E in neurons, and that this protein may be important for the integrity of the glomerular filtration barrier. This gene shows reduced expression in areas of synaptic loss in the hippocampus of human temporal lobe epilepsy patients. [provided by RefSeq, Sep 2016]



Product images:



Circular map for RC205345L1



Double digestion of RC205345L1 using Sgfl and Mlul