

Product datasheet for **SC334363**

SV2A (NM_001278719) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SV2A (NM_001278719) Human Untagged Clone
Tag:	Tag Free
Symbol:	SV2A
Synonyms:	SV2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278719, the custom clone sequence may differ by one or more nucleotides

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ATGACTGCCTGCTTATCTTGGCCTTTGCCACAGACCTGTTTCGAGTACAAGTTTGTGAACAGCCGCTCTGA  
TAAACAGTACATTCTGCACAACAAGGAGGGCTGCCCGCTAGACGTGACAGGGACGGGCGAAGTGCCTA  
CATGGTAACTTTGTGAGCTTCTGGGGACTGGCAGTGCTTCTGGGAATATCGTGTCTGCCCTGCTC  
ATGGACAAGATCGGCAGGCTCAGAATGCTTGTGGCTCCAGCGTGATGTCCTGTGTCTCTGCTTCTTCC  
TGTCTTTTGGGAACAGTGAGTCGGCCATGATCGCTCTGCTCTGCCTTTTGGCGGGT CAGCATTGCATC  
CTGGAATGCGCTGGACGTGTTGACTGTTGAACTCTACCCCTCAGACAAGAGGACCACAGCTTTTGGCTTC  
CTGAATGCCCTGTGTAAGCTGGCAGCTGTGCTGGGATCAGCATCTTACATCCTTCGTGGGAATACCA  
AGGCTGCACCCATCCTCTTTGCCTCAGCTGCCCTTGGCCTTGGCAGCTCTCTGGCCTGAAGCTGCCTGA  
GACCCGGGGCAGGTGCTGCAGTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001278719
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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: [NM_001278719.1](#), [NP_001265648.1](#)

RefSeq Size: 2394 bp

RefSeq ORF: 585 bp

Locus ID: 9900

UniProt ID: [Q7L0J3](#)

Cytogenetics: 1q21.2

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: ECM-receptor interaction

Gene Summary: The protein encoded by this gene is one of three related synaptic vesicle proteins. The encoded protein may interact with synaptotagmin to enhance low frequency neurotransmission in quiescent neurons. [provided by RefSeq, Jun 2016]
Transcript Variant: This variant (2) contains an alternate segment in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.