

Product datasheet for **SC114807**

SV2A (NM_014849) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SV2A (NM_014849) Human Untagged Clone
Tag:	Tag Free
Symbol:	SV2A
Synonyms:	SV2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC114807 sequence for NM_014849 edited (data generated by NextGen Sequencing)

```

ATGGAAGAGGGCTCCGAGACCGGGCAGCTTTCATCCGTGGGGCCAAAGACATTGCTAAG
GAAGTCAAAAAGCATGCGGCCAAGAAGGTGGTGAAGGGCTGGACAGAGTCCAGGACGAA
TATTCCEGAAGATCGTACTCCCCTTTGAGGAGGAGGATGATGATGATGACTTCCCTGCT
CCCAGTGATGGTTATTACCGAGGAGAAGGGACCCAGGATGAGGAGGAAGGTGGTGCATCC
AGTGATGCTACTGAGGGCCATGACGAGGATGATGAGATCTATGAAGGGGAATATCAGGGC
ATTCCCCGGGCAGAGTCTGGGGCAAAGCGAGCGGATGGCAGATGGGGCGCCCTGGCT
GGAGTAAGGGGGGCTTGTAGTGTGGGGAGGGTCCCCCTGGGGGCCGGGGGAGGCACAA
CGACGAAAGAACGAGAAGAAGTGGCCAAAGTATGAAGCCATCCTACGGGAGTGTGGC
CACGGCCGCTTCCAGTGGACACTGTATTTTGTGCTTGGTCTGGCGCTGATGGCTGACGGT
GTGGAGGTCTTTGTGGTGGGCTTCGTGCTGCCAGCGCTGAGAAAGACATGTGCCTGTCC
GACTCCAACAAAGGCATGCTAGGCCTCATCGTCTACCTGGGCATGATGGTGGGAGCCTTC
CTCTGGGAGGTCTGGCTGACCGGCTGGGTCGGAGGCAGTGTCTGCTCATCTCGCTCTCA
GTCAACAGCGTCTTCGCCTTCTTCTCATCTTTTGTCCAGGGTTACGGCACTTTCCTCTTC
TGCCGCTACTTTCTGGGGTTGGGATTGGAGGGTCCATCCCCATTGTCTTCTCCTATTTT
TCCGAGTTTCTGGCCAGGAGAAACGAGGGGAGCATTGAGCTGGCTCTGCATGTTTTGG
ATGATTGGTGGCGTGTACGCAGCTGCTATGGCCTGGGCCATCATCCCCACTATGGGTGG
AGTTTTAGATGGGTTCTGCCTACCAGTCCACAGCTGGAGGGTCTTCGTCTCTGCTGC
GCCTTTCCTTCTGTGTTTGCATTGGGGCTCTGACCACGCAGCCTGAGAGCCCCCGTTTC
TTCCTAGAGAATGGAAAGCATGATGAGGCCTGGATGGTGTGAAGCAGGTCCATGATAAC
AACATGCGAGCCAAAGGACATCCTGAGCGAGTGTCTCAGTAACCCACATTAAGACGATT
CATCAGGAGGATGAATTGATTGAGATCCAGTCCAGTCCGACACAGGGACCTGGTACCAGCGCTGG
GGGGTCCGGGCTTGTAGCCTAGGGGGCAGGTTTGGGGGAATTTCTCTCCTGTTTTGGT
CCCGAATATCGGCGCATCACTCTGATGATGATGGGTGTGTGGTTACCATGTCATTACAGC
TACTATGGCCTGACCGTCTGGTTTCTGACATGATCCGCCATCTCCAGGCAGTGGACTAC
GCATCCCGCACCAAAGTGTTCCTCCGGGAGCGCGTAGAGCATGTAACTTTTAACTTACAG
TTGGAGAATCAGATCCACCGAGGCGGGCAGTACTTCAATGACAAGTTCATTGGGCTGCGG
CTCAAGTCAGTGCCTTTGAGGATTCCTGTTTGAAGAGTGTATTTTGGAGATGTCACA
TCCAGCAACACGTTTTTCCGCAACTGCACATTCATCAACACTGTGTTCTATAAACAAGTAC
CTGTTTCGAGTACAAGTTTGTGAACAGCCGCTCTGATAAACAGTACATTCCTGCACAACAAG
GAGGGCTGCCCGCTAGACGTGACAGGGACGGGCGAAGGTGCCATACATGGTATACTTTGTG
AGCTTCTGGGGACACTGGCAGTCTTCTGGGAATATCGTGTCTGCCCTGCTCATGGAC
AAGATCGGCAGGCTCAGAATGCTTGTGCTGGCTCCAGCGTATGTCCTGTGTCTCCTGCTTC
TTCCTGTCTTTTGGGAACAGTGTGAGTCCGCCATGATCGCTCTGCTGCTCTTTCGGGGG
GTCAGCATTGCATCCTGGAATGCGCTGGACGTGTTGACTGTTGAACTCTACCCCTCAGAC
AAGAGGACCACAGCTTTTGGCTTCTGAATGCCCTGTGTAAGCTGGCAGCTGTGCTGGGG
ATCAGCATCTTACATCCTTCGTGGGAATCACCAAGGCTGCACCCATCCTCTTTGCCTCA
GCTGCCCTTGCCTTGGCAGCTCTTGGCCCTGAAGCTGCCTGAGACCCGGGGCAGGTG
CTGCAGTGA

```

Clone variation with respect to NM_014849.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014849 unedited</p> <pre>GGTTCCGATTTTGTAAATACGATCTCACTATAGGGCGGCCGCAATTCGCACGAGGCCGGG AGCAGTCGCCCGCTGCCGCTCCGCCCGCGGCCGGGACCCCGTCTCGCCCGGGACTCCT TACCCGGGGAACCTAGACCAGGTCTCCAGAGGCTTGTGGAAGAGAAGCAGGCGACCCCTC CTGAGTTATCCTGGCTTAGCCTCCCAATCTGGCTCCCCTTCCCCTTCCCATTCCCCTGCT CCCCCTGTCCCCTCCCCATCCACCCAACCTGAAGTGGGTATAGGTCAAAGCTCCTCTCCTT CCTTTTCTCCTTAGGCACTATTGGCTAGGACCTGTTTGCTCTTTTTTTTGTGCCCAGA GATACTGGAAACACGCTTCACTAAGTAAGTGTGGGGAGGGTCTTTTTGACTCTACAAGT CCTTGAGCAAAAAGCTGAAAAAGAAGCAGGAGGTGGAGAAGACCCAGTGAAGTGCCCAA GCCCATCATGGAAGAGGGCTTCCGAGACCGGGCAGCTTTCATCCGTGGGGCCAAAGACA TTGCTAAGGAAGTCAAAAAGCATGCGGCCAAGAAGGTGGTGAAGGGCCTGGACAGAGTCC AGGACGAATATCCCGAAGATCGTACTCCCGCTTGGAGGAGGATGATGATGACT TCCCTGCTCCAGTGATGGTTATTACCGAGGAGAAGGGACCCAGGATGAGGAGGAAGGTG GTGCATCCAGTGATGCTACTGANGGCCATGACGAGGATGATGAGATCTATGAAGGGGAAT ATCAGGGGCATTCCCGGCAGAGTCTGGGGCAATAGCGAGCGGATGGCAGATGGGGCG CCCTGGCTGAAGTAAGGGGGCTCGAGTGATGGGAAGTCCCCTGGGCGCGNGGGA GGCCACCACGAAAGACGA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014849 unedited</p> <pre>NAAAAAGNTTCAGTTTGNACGCGCCGATTCTAGNGATCGGTTTTTTTTTTTTTTTTTTT GTTATTTTCACTTTTTTCTTTTACATTTTTTAAACATTTTACAAACATCTAAAACTA CAACACGTCACAGCTACAGTGGGTGAGGGGAGGGCACCAAGAAAGCAGCCACACAGAG TAGGGTGGGATGGGGCAGCCTAACCTACAGAGGCTATTGTGTGAAGGGTAAAATGGGGA AACTGAGGCTTCTAGTCCCTGCATTAGGGTCCCTCACTCACTGCCAACCTCTCCCCAC TCAGAGGAGCTGCCAGGAGGGCCCTGCTTCTGCCTCTGCCACGCTCTTTGTGCTTTT TGATCTGCTGGTTTGACCAGATGCTGGTTTCTTCCCTCCCCTGCTCCCCTCCCTGTGA GGGACAGGTAGGGAGCATGGGAGGGCAGCTGTGCTATCCCGCTGTGCTGTAGTGGGT GGAGCCTCTCACTCCAGAGGAGGCTCTGCTTCTTGGAGGGGAAGGAGATGGGCCTTGT CGGATGCCCTCAGATCTCCCTAGACTGTGGACTTTATCCCAGGCTGGCCTAGGGCTCC TCCATCCCAGGCTCAACACAGAAACCAGATTAGGGGAGGAACGTGGGAGGCAGGTTGT GTGTGCATCCGCTGAAATTACCCTTGGCTTATATTTGAGGACAGTATAGTGATACCCCCC GCCCCATGGCACATGCACACACATATGTAAGTATACATACACATTACACACAGTCTGCG GGAGCTGGCTCAGAACTTAATCTATTTATAAATAAGAATCAGAAAGCTAATTTCAAAAA TCCAGGCTTCATATTTGCAGGCCAATTGAGAGGAAC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014849
Insert Size:	4600 bp
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).

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_014849.2](#), [NP_055664.2](#)

RefSeq Size: 4066 bp

RefSeq ORF: 2229 bp

Locus ID: 9900

UniProt ID: [Q7L0J3](#)

Cytogenetics: 1q21.2

Domains: sugar_tr

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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 3, and 4 all encode the same isoform (1).