

## Product datasheet for **SC337186**

### SV2C (NM\_001297716) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SV2C (NM_001297716) Human Untagged Clone
Tag:	Tag Free
Symbol:	SV2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001297716, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGACTCTTACAAGGATAGGACTTCACTGATGAAGGGTGCCAAGGACATTGCCAGAGAGGTGAAGA
AACAAACAGTAAAGAAGGTGAATCAAGCTGTGGACCGAGCCAGGATGAATACACCCAGAGGTCTACAG
TCGGTTCCAAGATGAAGAAGATGATGACTACTACCCGGCTGGAGAACTATAATGGTGAGGCCAAC
GATGACGAAGGCTCAAGTGAAGCCACTGAGGGGCATGATGAAGATGATGAGATCTATGAGGGGAGTATC
AGGGCATCCCCAGTATGAACCAAGCGAAGGACAGCATCGTGTGAGTGGGGCAGCCCAAGGGCGATGAGTA
CAAGGACCGGGGAGCTGGAATCAGAAAGGAGAGCTGACGAGGAAGAGTTAGCCAGCAGTATGAGCTG
ATAATCCAAGAATGCGGTCATGGTCGTTTTTCAGTGGGCCTTTTCTTCGCTCTGGGCATGGCTCTTATGG
CAGACGGTGTAGAGGTGTTTGTGCTTGGCTTCGTGTTACCCAGTGTGAGACAGACCTCTGCATCCCAAA
TTCAGGATCTGGATGGCTAGGCAGCATAGTGTACCTCGGGATGATGGTGGGGGCTTCTTCTGGGGAGGA
CTGGCAGACAAAGTGGGAAGGAAACAGTCTCTTCTGATTTGCATGTCTGTCAACGGATTCTTTCCTTCC
TTTCTTCAATTTGTCCAAGTTATGGCTTCTTCTTCTGTCGTTACTTTCTGGATTGGGATTGGAGG
AGCCATACCCACTGTGTTCTCGTACTTTGCTGAAGTCTGGCCCGGAAAAGCGGGGCAACACTTGAGC
TGGCTCTGCATGTTCTGGATGATCGGTGGCATCTACGCCTCTGCCATGGCCTGGGCCATCATCCCGCACT
ACGGGTGGAGCTTACGATGGGATCGGCCTACCCAGTTTACAGTTGGCGTGTGTTTGTATCGTCTGTGC
ACTCCCTGTGTCTCCTCCGTGGTGGCCCTCACATTCATGCCTGAAAGCCACGATTCTTGTGGAGGTT
GGAAAACATGATGAAGCTGGATGATTCTGAAGTTAATTCATGACACCAACATGAGAGCCCGGGGTCAGC
CTGAGAAGGTCTTACGGTAAACAAAATAAAACTCCTAAACAAATAGATGAGCTGATTGAAATTGAGAG
TGACACAGGAACATGGTATAGGAGGTGTTTTGTCGGATCCGCACCGAGCTGTACGGAATTTGGTTGACT
TTTATGAGATGTTTCAACTACCCAGTACGGGATAATAACAATAAAGCTTACAATTTGGTTCCACCCTGT
CCTTTGGTACTATGGATTATCCGTTTGGTTCCTGATGTCATTAACCTCTGCAGTCCGATGAATATGC
ATTGCTAACCCAGAAATGTGGAGAGAGATAAATATGCAAATTTCACTATTAACCTTACAATGGAAAATCAG
ATTCATACTGGAATGGAATACGACAATGGCAGATTATAGGGGTCAAGTTCAAATCTGTAACCTTCAAAG
ACTCTGTTTTTAAGTCTGCACCTTTGAGGATGTAACCTCAGTGAACACCTACTTCAAGAAGTGCACATT
TATTGACACTGTTTTGACAACACAGATTTTGGCCATATAAATTCATTGACAGTGAATTTAAAAGTGC
TCGTTTTTTCACAACAAGACGGGATGTCAGATTACCTTTGATGATGACTATAGTCCCTACTGGATTTATT
TTGTCACTTTCTGGGGACATTGGCAGTATTGCCAGGGAACATTGTGTCTGCTGCTGATGGACAGAAT
TGGGCGCTTAACAATGCTAGGTGGCTCTATGGTGTCTTTCGGGGATCAGCTGTTTCTTCTTGGTTCGGC
ACCAAGTGAATCCATGATGATAGGCATGCTGTGTCTGTACAATGGATTGACCATCTCAGCCTGGAAGTCTC
TTGACGTGGTCACTGTGGAAGTGTACCCACAGACCGGAGACGCAGAGTCTTGCCATGTTGCCCGGCTG
A
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001297716

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001297716.1, NP_001284645.1</u>
<b>RefSeq Size:</b>	3010 bp
<b>RefSeq ORF:</b>	2031 bp
<b>Locus ID:</b>	22987
<b>Cytogenetics:</b>	5q13.3
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	ECM-receptor interaction
<b>Gene Summary:</b>	<p>Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 3' terminal exon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>