

## Product datasheet for **RN203774**

### **Sv2c (NM\_031593) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sv2c (NM_031593) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sv2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203774 representing NM\_031593  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGACTCCTACAAGGATAGGACTTACTGATGAAGGGCCCAAGGACATTGCCAAAGAGGTGAAGA  
 AGCAAACAGTGAAGAAGGTGAACCAGGCAGTGGACCGGGCCAGGATGAATACACCCAGCGGTCTACAG  
 TCGATTCCAGGATGAAGATGATGATGACTACTACCCACCTGGAGAAACCTACAGTGGGGAGGCCAAT  
 GATGATGAAGGCTCAAGTGAAGCCACTGAGGGTCACGATGAAGAAGACGAGATCTATGAAGGGAAATACC  
 AGGGCATCCCCAGCACGAACCAAGGAAGGACAGCATAGTGTCTGTAGGACAACCCAAAGGAGATGAGTA  
 CAAGGACCGCAGAGAGCTGGAGTCAGAGAGGAGGGCTGATGAGGAGGAGCTCGCCAGCAGTATGAGCTG  
 ATAATCCAAGAGTGTGGCCATGGCCGTTCCAGTGGGCCCTTTCTTCGTCCTGGGCATGGCTCTCATGG  
 CAGACGGCGTGGAGGTGTTGTGGTGGGCTTTGTGTTACCCAGTGCAGAGACAGACCTATGCATACCGAA  
 TTCAGGATCTGGATGGCTAGGCAGCATAGTGTACCTCGGGATGATGGTGGGGCGTTCCTCTGGGGAGGA  
 CTGGCAGACAAAGTGGGAAGGAAGCAGTCTCTCTGATTTGCATGTCCGTCAACGGATTCTTTGCCCTCC  
 TTTCTTCAATTTGTCCAAGGTTACGGCTTCTTTCTCCTCTGTCGTTTGCTTTCAGGATTCCGGATTGGAGG  
 CGCCATTTCCACTGTGTTCTCCTACTTTGCTGAAGTCTGGCCCGGAGAAGCGCGGTGAGCACCTCAGT  
 TGGCTCTGCATGTTCTGGATGATTGGCGGTATCTATGCTTCAGCCATGGCCTGGGCCATCATCCCCACT  
 ATGGGTGGAGCTTCAGCATGGGCTCAGCCTACCAGTCCACAGCTGGCGCGTCTTCGTCATCGTCTGTGC  
 CCTCCCGTGCCTCCTCGGTGGTGGCCCTCACCTTCATGCCGAAAGCCCTCGGTTCTTGCTGGAGGTA  
 GGAAAACATGATGAAGCCTGGATGATTCTGAAGCTAATTCATGATACCAACATGAGAGCCCGGGCCAGC  
 CAGAAAAGGTCTTCACGGTAAATAAATCAAGACTCCCAAGAAATAGATGAGCTGATTGAGATTGAGAG  
 CGACACAGGAACCTGGTACCGGAGGTGTTTTGTTGCGGATCCGCACAGAAGTGTACGGAATTTGGTTGACT  
 TTTATGAGATGCTTCAACTACCCGGTACAGGAAAACACCATAAAGCTTACGATTGTTGGTTCACCCGT  
 CCTTTGGTACTATGGACTGTCCGTTTGGTTCCAGATGTCATTAACACCTCCAGTCTGACGAGTACGC  
 CCTGCTGACTCGGAATGTGCAGAAGGATAAATATGCAAACCTTAGCATTAACTTCACCATGGAAAACAG  
 GTCCACACCGGAATGGAATATGACAATGGCAGGTTCTCGGAGTCAAATCAAATCGGTAACCTTCAAGG  
 ATTCAGTGTAAAGTCTGCACCTTTGACGATGTACCTCAGTCAACACCTACTTCAAGAAGTGCACGTT  
 TATTGATACCCTTTTGGAGAACACAGATTTTGGCCCTATAAATTCATAGACAGCGAGTTTCAAACCTGC  
 TCGTTTCTTACAATAAGACGGGATGTCAGATTACTTTTGGACGAGTACAGTGCCTACTGGATTTACT  
 TTGTCAACTTTCTCGGGACATTGGCAGTGTACCAGGAAATATCGTGTCTGCTCTCCTGATGGACAGGAT  
 CGGGCGCTTAACGATGCTAGGTGGCTCCATGGTCTCTCGGGGATCAGTGTCTTCTCTGTGGTTTGGC  
 ACCAGCGAATCCATGATGATAGGCATGCTGTGCTTGTACAACGGACTGACCATCTCAGCGTGGAACTCTC  
 TTGATGTAGTCACGGTGGAACTATACCCACAGACCGGAGAGCAACGGGCTTTGGCTTCTTGAACGCACT  
 CTGTAAGCAGCGGCCGCTCTGGGAACTTAATATTCCGCTCCTTGGTGCAGCATCACAAAGCAATCCCT  
 ATCCTGCTGGCTCCACCGTGTCTGTGTGGAGGACTCGTGGGGCTGCGCCTGCCCGACACAAGAACC  
 AGGTTCTGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031593

**Insert Size:** 2184 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).

<b>Components:</b>	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><a href="#">NM_031593.1</a></u> , <u><a href="#">NP_113781.1</a></u>
<b>RefSeq Size:</b>	2622 bp
<b>RefSeq ORF:</b>	2184 bp
<b>Locus ID:</b>	29643
<b>UniProt ID:</b>	<u><a href="#">Q9Z2I6</a></u>
<b>Cytogenetics:</b>	2q12
<b>Gene Summary:</b>	a synaptic vesicle protein; conserved between vertebrates and invertebrates [RGD, Feb 2006]