

## Product datasheet for **RN209600**

### **Sv2a (NM\_057210) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sv2a (NM_057210) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sv2a
Synonyms:	Sv2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN209600 representing NM\_057210  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGAAGGCTTTCGAGACCGAGCAGCGTTCATCCGTGGGCCAAAGACATTGCCAAGGAAGTTAAGA  
 AGCACGCGGCCAAGAAGGTGGTGAAGGGTCTCGACAGAGTCCAGGATGAATATCCCGAAGGTCCTACTC  
 CCGCTTTGAGGAGGAGGAGGATGATGATGACTTCCCTGCCCTGCTGACGGCTATTACCGCGGAGAAGGG  
 GCCCAGGATGAGGAGGAAGGTGGCGCTTCCAGTATGCCACTGAGGGCCACGATGAGGATGATGAGATCT  
 ACGAGGGAGAATATCAGGGCATCCCCGGGCAGAGTCTGGGGCAAAGGCCAACGGATGGCAGATGGGGC  
 ACCCTGGCTGGAGTGAAGGGGGCTTAAGTATGGGGAGGGTCCCCCTGGGGTGCAGGGGAGGCGCAG  
 CGGCGTAAAGATCGGAAGAATTGGCTCAGCAGTATGAGACCATCTCCGGGAGTGGCCATGGTCTGCT  
 TCCAGTGGACACTCTACTTCGTGCTGGTCTGGCGCTGATGGCCGATGGTGTAGAGGTCTTTGTGGTGGG  
 CTTTGTGCTGCCAGTGTGAGAAAGATATGTGCCTGTCGGACTCCAACAAGGCATGCTAGGCCTCATT  
 GTGTACCTGGGCATGATGGTGGGGCCTTCTCTGGGGAGGCCTGGCTGATCGGCTGGGTGGGAGACAGT  
 GTCTGCTCATCTCGCTCTCAGTCAACAGCGTCTTCGCTTCTTCTCATCTTCGTCAGGGTTATGGCAC  
 CTTCTTTTCTGCCGCTCCTTCTGGGGTGGGATTGGTGGTCCATCCCCATTGTCTTCTCTATTTT  
 TCGGAGTTTCTGGCCAGGAGAAACGTGGGGAGCATTGAGCTGGCTCTGTATGTTCTGGATGATTGGTG  
 GCGTGTATGCAGCTGCAATGGCTGGGCCATCATCCCCACTATGGGTGGAGTTCCAGATGGGCTCTGC  
 TTACCAGTCCACAGCTGGAGGGTCTTTGTCTCGTCTGTGCCTTCCCTCTGTGTTGCCATCGGGGT  
 CTGACTACGACGCGGAGAGTCCCCGCTTCTTCTTAGAGAATGGGAAGCACGATGAGGCCATGGATGGTGC  
 TGAAGCAGTTTCATGACACCAACATGCGAGCCAAGGGCCATCTGAGCGAGTCTTCTCAGTAACCCACAT  
 TAAAACGATTCATCAGGAGGATGAATTGATTGAGATCCAGTCCAGTCCAGACAGGAACCTGGTACCAGCGCTGG  
 GGAGTGGGGCTTTGAGCCTGGGGGTGAGTTTGGGGAACTTCTCTCTGCTTCAGTCCAGAGTACC  
 GGCGCATCACTCTGATGATGATGGGGTATGGTTCACCATGTCCTTCAGTACTACGTTTGACTGTCTG  
 GTTCCCGACATGATCCGCCATCTCCAGGCTGTGGACTATGCAGCCGAACCAAAGTGTCCAGGGGAG  
 CGCGTGGAGCACGTGACATTTAACTTCACACTGGAGAATCAGATCCACCGAGGGGACAGTACTTCAATG  
 ACAAGTTCATCGGGCTGCGTCTGAAGTCAAGTGCCTTTGAGGATCCCTGTTGAGGAATGTTACTTTGA  
 AGATGTACATCCAGCAACACATTTCCGCAACTGCACATTCATCAACACCGTGTCTACAACACGGAC  
 CTGTTTGAAGTACAAGTTCGTGAACAGCCGCTGGTGAACAGCACATTCCTGCACAATAAGGAAGGTTGCC  
 CACTAGATGTGACAGGGACGGGCGAAGGTGCCTACATGGTGTACTTTGTAGCTTCTGGGGACACTGGC  
 TGTGCTCCCTGGAAATATTGTGCTGCTGCTCATGGACAAGATTGGCAGGCTCAGAATGCTTGCTGGT  
 TCCAGTGTGTTGCTGTGTTTCTGCTTCTTCTGCTTTTTGGGAACAGTGAAGTCCAGCCATGATCGCTC  
 TGCTCTGCCTTTTTGGGGAGTCAAGTATGATCCTGGAACGCGCTGGACGTGCTGACTGTTGAACTCTA  
 CCCTCCGACAAGAGGACGACGGCTTCGGCTTCTGAATGCCCTGTGTAAGCTGGCAGCTGACTGGGC  
 ATCAGCATCTTACGCTCTTTGTGGGAATACCAAGGCCGCTCCCATCTTTCGCCTCAGCTGCCTTG  
 CCCTTGGTAGCTCTTGCTCTGAAGCTGCCTGAGACCCGGGACAGGTGCTGCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_057210  
**Insert Size:** 2229 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_057210.2</a></u> , <u><a href="#">NP_476558.2</a></u>
<b>RefSeq Size:</b>	3554 bp
<b>RefSeq ORF:</b>	2229 bp
<b>Locus ID:</b>	117559
<b>UniProt ID:</b>	<u><a href="#">Q02563</a></u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	membrane glycoprotein; acts as a synaptic vesicle-specific transporter [RGD, Feb 2006]