

## Product datasheet for **MC221109**

### **Sv2c (NM\_029210) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sv2c (NM_029210) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sv2c
Synonyms:	4930527L09Rik; AI841971
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC221109 representing NM\_029210  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGACTCCTACAAGGATAGGACTTACTGATGAAGGGTGCCAAGGACATTGCCAAAGAGGTGAAGA  
 AGCAGACGGTGAAGAAGGTGAACCAGGCAGTGGATCGGGCCAGGATGAATATACCCAGCGGTCTACAG  
 TCGTTCCAGGATGAAGAGGACGATGATGACTACTACCCACCTGGCGAAACCTACAGTGGGGAGGTCAAT  
 GATGATGAAGGCTCAAGTGAAGGCACTGAGGGTACGACGAGGAGGATGAGATCTATGAAGGGAGTACC  
 AGGGCATCCCCAGCACGAACCAGGGGAAAGACAGCATCGTGTCTGTAGGACAGCCAAAGGTGATGAGTA  
 CAAGGACCGCAGAGAGCTAGAGTCAGAGAGGAGGGCTGATGAGGAAGAGCTCGCCAGCAGTATGAGCTG  
 ATAATCCAAGAGTGTGGCCACGGCCGTTCCAGTGGGCCCTTTCTTCGTCCTGGGCATGGCTCTCATGG  
 CCGATGGCGTGGAGGTGTTGTGGTGGGCTTCGTGCTACCCAGTGCAGAGACAGACCTATGCATACCAA  
 TTCGGGATCTGGATGGCTAGGTAGCATAGTGTACCTCGGGATGATGGTGGGGCGTTCCTCTGGGGAGGA  
 CTGGCAGACAAAGTAGGAAGGAAGCAGTCTCTTGATTTGCATGTCTGTCAACGGATTCTTTGCCCTCC  
 TCTCCTCATTGTCCAAGGTTACGGCTCTTTCTCGTCTGTGCGTTGCTTCTGGATTCCGGATTGGAGG  
 CGCCATCCCCTACTGTGTTCTCCTACTTCGCTGAAGTCTGGCCCGGAGAGAAGCGGGTGAGCACCTCAGT  
 TGGCTCTGCATGTTCTGGATGATTGGCGGCATCTACGCCCTCCGCCATGGCCTGGGCCATCATTCCCCT  
 ACGGGTGGAGCTTCAGCATGGGTTACAGCTACCAGTCCACAGCTGGCGCGTCTTCGTCATCGTCTGTGC  
 GCTCCCGTGCCTCCTCTGTGGTGGCTCTCACCTTCATGCCAGAAAGCCCTCGGTTCTTGCTGGAGGTG  
 GGAAAACATGATGAAGCCTGGATGATTCTGAAGTTAATTCATGACACCAACATGAGAGCCCGGGCCAGC  
 CAGAGAAGGCTTTCACGGTAAATAAATCAAGACTCCCAAACAATAGATGAGCTGATAAAATGAGAG  
 CGACACGGGAACCTGGTACAGGAGGTGTTTCGTTTCGGATCCGCACCGAAGTGTACGGAATTTGGCTGACA  
 TTCATGAGATGCTTCACTACCCAGTACAGGAAAACACCATCAAGCTTACGATTGTCTGGTTACCCCTGT  
 CCTTCGGTACTATGGGTTGTCGGTTTGGTTCCCTGATGTCATTAACATCTCCAGTCTGATGAGTATGC  
 ACTGCTAACTAGGAATGTGCAAAGGATAAATATGCAAACCTCAGCATTAACTTTACCATGGAGAACCAG  
 ATCCACACTGGAATGGAATACGAGAACGGCAGATTCTCGGAGTCAAGTTCAAATCGGTAACCTTCAAAG  
 ATTCAGTGTAAAGTCTGCACCTTTGACGACGTGACCTCAGTCAACACCTACTCAAGAAGTGCACGTT  
 TATTGATACCCTTTTGGATAACACAGATTTTGGCCCTATAAATTCATAGACAGTGAATTCAGAAGTGC  
 TCAATTTTCCACAATAAGACGGGGTGCCAGATTACTTTTGTATGACGACTATAGTGCCTACTGGATTTACT  
 TTGTCAACTTTCTGGGACATTGGCAGTGTGCCAGGAAATATCGTGTCTGCTCTCTGATGGACAGGAT  
 CGGGCGTTTAAACGATGCTAGGAGGCTCCATGGTGTCTCCGGGATCAGTTGCTTCTCTGTGGTTTGGC  
 ACCAGCGAATCCATGATGATAGGCATGCTGTGCTTGATAAATGGGCTGACCATCTCAGCGTGAATTTCTC  
 TCGATGTCTGCACGGTGAAGTGTATCCACAGACCGGAGAGCAACGGGCTTCGGCTTCTTGAACGCCCT  
 CTGTAAGCGGGCCGCTCTGGGAACTTAATCTTCGGCTCCTTGGTACGATCACCAAAGCCATCCCC  
 ATCCTGCTGGCTTCCACTGTGCTGTGTGGAGGACTCGTGGGGCTGCGCCTGCCCGACACACGAACCC  
 AGGTTCTGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_029210

**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_029210.1</a></u> , <u><a href="#">NP_083486.1</a></u>
<b>RefSeq Size:</b>	4252 bp
<b>RefSeq ORF:</b>	2184 bp
<b>Locus ID:</b>	75209
<b>UniProt ID:</b>	<u><a href="#">Q69ZS6</a></u>
<b>Cytogenetics:</b>	13 D1
<b>Gene Summary:</b>	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]