

Product datasheet for **RR209600**

Sv2a (NM_057210) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR209600 representing NM_057210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAGGCTTTGAGACCGAGCAGCGTTCATCCGTGGGCCAAAGACATTGCCAAGGAAGTTAAGA
 AGCACGCGCCAAAGAAGGTGGTGAAGGGTCTCGACAGAGTCCAGGATGAATATCCCGAAGGTCCTACTC
 CCGCTTTGAGGAGGAGGAGGATGATGATGACTTCCCTGCCCTGCTGACGGCTATTACCGCGGAGAAGGG
 GCCCAGGATGAGGAGGAAGGTGGCGCTTCCAGTATGCCACTGAGGGCCACGATGAGGATGATGAGATCT
 ACGAGGGAGAATATCAGGGCATCCCCGGGCAGAGTCTGGGGCAAAGGCCAACGGATGGCAGATGGGGC
 ACCCTGGCTGGAGTGAAGGGGGCTTAAGTATGGGAGGGTCCCCTGGGGTGCAGGGGAGGCGCAG
 CGGCGTAAAGATCGGAAGAATTGGCTCAGCAGTATGAGACCATCTCCGGGAGTGGCCATGGTCGCT
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Protein Sequence: >RR209600 representing NM_057210
 Red=Cloning site Green=Tags(s)

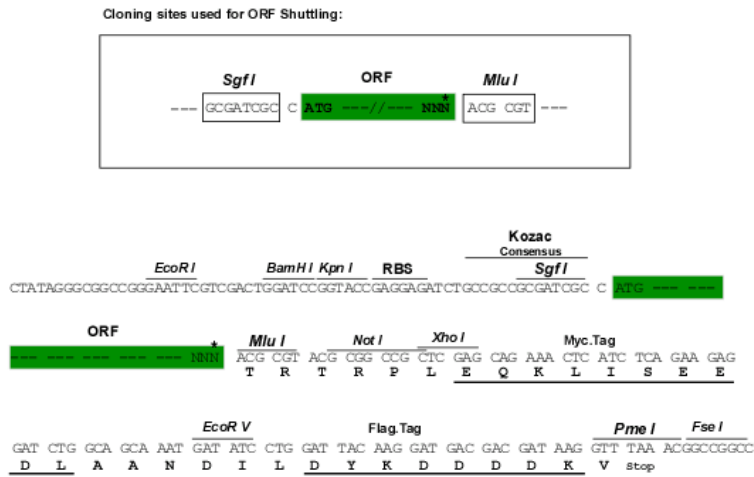
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 RRKDREELAQQYETILRECGHGRFQWTL YFVLGLALMADGVEFVVGFLVPSAEKDMCLSDSNKGMGLI
 VYL GMMVGAF LWGLADRLGRRQCLLISLSVNSVFAFFSSVFQGYGTFLFCRLLSGVGIGGSIPIVFSYF
 SEFLAQEKRGEHLSWLCMFWMIGVYAAAMAWAIIPHYGWSFQMGSA YQFHSWRVFLVCAFPVFAIGA
 LTTQPE SPRFFLENGKHDEAWMLKQVHDTNMRAKGHPERVFSVTHIKTIHQEDELIEIQSDTGTWYQRW
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 RVEHVTNFNTLENQIHRGGQYFNDKFIGLR LKSVSFEDSLFEECYFEDVTSNTFFRNCTFINTVFYNTD
 LFEYK FVNSRLVNSTFLHNKEGCPLDVTGTGEGAYMVYFVSLGTLAVLPGNIVSALLMDKIGRLRLMAG
 SSVLSCVSCFFLSFGNSE SAMIALLC LFGGVS IASWNALDVLTVEL YPSDKRTTAFGLNALCKLA AVLG
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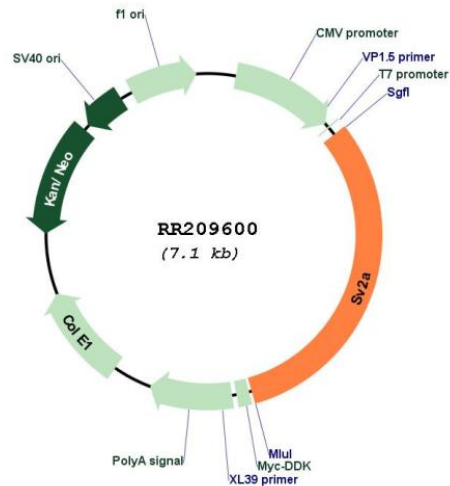
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_057210

ORF Size: 2226 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_057210.2](#), [NP_476558.2](#)

RefSeq Size: 3554 bp

RefSeq ORF: 2229 bp

Locus ID: 117559

UniProt ID: [Q02563](#)

Cytogenetics: 2q34

MW: 82.7 kDa

Gene Summary: membrane glycoprotein; acts as a synaptic vesicle-specific transporter [RGD, Feb 2006]