

## Product datasheet for **RR209734**

### **Sv2b (NM\_057207) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sv2b (NM_057207) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sv2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR209734 representing NM\_057207  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATGACTACAGGTATCGGGACAACATGAGGGCTATGCCCTAATGATGGCTACTACCGGGCAATG  
 AGCAGAACC CGGAAGAAGATGCACAGAGCGATGTTACAGAAGGCCACGATGAAGAGGATGAGATCTATGA  
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Protein Sequence: >RR209734 representing NM\_057207  
 Red=Cloning site Green=Tags(s)

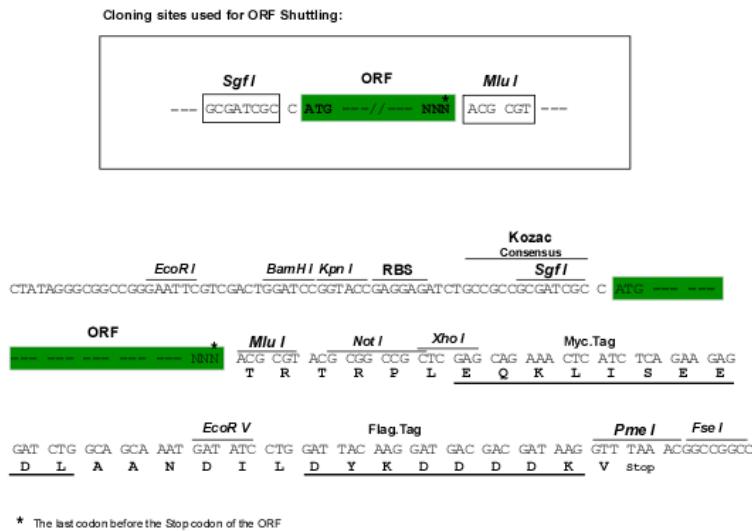
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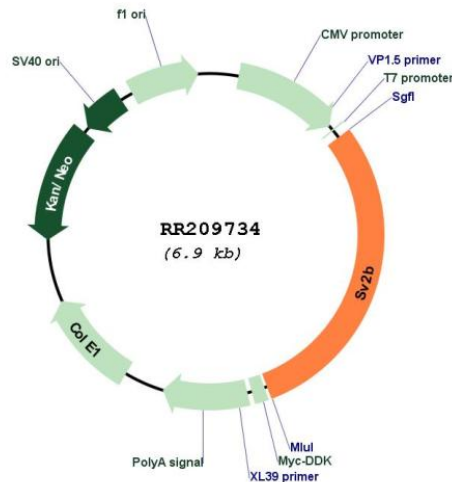
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_057207

ORF Size: 2049 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\\_057207.3](#), [NP\\_476555.1](#)

RefSeq Size: 5213 bp  
RefSeq ORF: 2052 bp  
Locus ID: 117556  
UniProt ID: [Q63564](#)  
Cytogenetics: 1q31  
MW: 77.5 kDa  
Gene Summary: proton cotransporter; mediates the uptake of neurotransmitters into vesicles [RGD, Feb 2006]