

Product datasheet for **RN209734**

Sv2b (NM_057207) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN209734 representing NM_057207
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGACTACAGGTATCGGGACAACATGAGGGCTATGCCCTAATGATGGCTACTACCGGGCAATG
 AGCAGAACCCGGAAGAAGATGCACAGAGCGATGTTACAGAAGGCCACGATGAAGAGGATGAGATCTATGA
 GGGCGAGTACCAAGGCATCCCTCATCCAGATGATGTCAAGTCTAAGCAGACTAAGATGGACCGTCCAGA
 GCAGATGGCCTTCGGGGCCAGGCAGACCTGATGGCTGAGAGAATGGAAGATGAGGAGCAGCTCGCTCACC
 AGTACGAGACCATCATTGATGAGTGTGGCCATGGGCGCTTCCAGTGGACCCTCTTTTTCGCTTGGTCTT
 GGCCTTGATGGCTGACGGAGTGAAGTGTGTTGGTGAGCTTGTCTGCCAAGTGCAGAGAAAGATATG
 TGTCTGTCAAGTCCAAGAAAGGAATGCTCGGGCTGATTGTCTACCTAGGAATGATGGCAGGAGCCTTCA
 TCCTGGGGGGCTGGCTGATAAACTGGGAAGGAAGAAGGTCTCAGCATGCTCTGGCTATCAATGCTTC
 CTTTGCCTCCCTCTCCTCTTCGTGCAGGGATATGGAGCTTTCCTCTTCTGCAGACTCATCTCAGGCATA
 GGTATTGGGGGCTCCCTGCCAATTGTTTTGCCTACTTTTCTGAGTTCTTATCACGGGAGAAACGCGGTG
 AGCATCTCAGCTGGCTGGGTATCTTCTGGATGACTGGGGGCATCTACGCATCTGCCATGGCTGGAGCAT
 CATTCCACACTATGGCTGGGGCTTCAGCATGGGAACCAATTATCACTTCCACAGCTGGAGAGTGTGTC
 ATCGTCTGTGCTGCTGCCACTGTGTCCATGGTGGCCCTGAAGTTCATGCCAGAAAGCCCAGGTTCC
 TGCTGGAGATGGCAAGCATGATGAAGCCTGGATGATTCTCAAGCAAGTCCATGACCAACATGAGAGC
 TAAGGGGACCCCTGAGAAGGTGTTACGGTTTCCACATCAAACTCCCAAGCAAATGGATGAATTCATT
 GAGATCCAGAGTTCAACAGGGACTTGGTACCAGCGCTGGTGGTCAAGTTCATGACCATTTTCAAACAGG
 TGTGGGATAACGCCTTGTACTGTGTGATGGGACCCTACAGAATGAACACCCTGATTCTGGCTGTGGTCTG
 GTTCACCATGGCCTTAAGTTACTATGGCCTGACAGTGTGGTTCGCCGACATGATCCGGTATTTCCAGGAT
 GAAGAATAAAGTCTAAATGAAGGTGTTTTTGGTGAGCACGTGCATGGCGCCACAATCAACTCACCA
 TGGAAACCCAGATCCACCAACATGGGAAGCTTGTGAACGATAAGTTCATAAAGATGTACTTTAAGCATGT
 CCTCTTTGAGGACACATTCTTTGACAAATGCTATTTTGAAGATGTGACATCCACAGATACTTATTCAAG
 AACTGCACCATTGAATCGACTACCTTCTACAACACAGACCTCTACAAACACAAGTTCATTGACTGTCGGT
 TTATCAATTCCACCTTTCTGGAGCAGAAGGAGGGCTGCCACATGGACTTTGAAGAGGACAATGATTTTCT
 GATTTACCTCGTCAGCTTCTCGGCAGCCTGTCTGTCTTGCCTGGGAACATAATTTCTGCCCTGCTCATG
 GACAGAATCGGAAGACTTAAGATGATTGGTGGCTCCATGCTCATCTCTGCAGTCTGCTGCTTCTCTGT
 TTTTGGCAACAGCGAGTCTGCGATGATCGGCTGGCAATGCCTGTTCTGTGGGACCAGCATTGCAGCCTG
 GAATGCTCTGGATGTGATCACAGTAGAGCTGTATCCCAACCAACCAGAGGGCCACTGCCTTCGGCATCCTC
 AATGGACTGTGCAAACTTGGTGCCATCCTGGGAAACACTATCTTTGCTTCTTTGTTGGGATCACCAAAG
 TGGTCCCCATCCTTCTGGCTGCTGCTTCTGTTGGAGGTGGCTTGGTTGCCCTTCGACTGCCAGAGAC
 TCGAGAGCAGGTCTGAT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_057207

Insert Size: 2052 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).

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:	<u>NM_057207.3, NP_476555.1</u>
RefSeq Size:	5213 bp
RefSeq ORF:	2052 bp
Locus ID:	117556
UniProt ID:	<u>Q63564</u>
Cytogenetics:	1q31
Gene Summary:	proton cotransporter; mediates the uptake of neurotransmitters into vesicles [RGD, Feb 2006]