

Product datasheet for **MC220437**

Sv2b (NM_153579) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sv2b (NM_153579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sv2b
Synonyms:	A830038F04Rik; AI850768; mKIAA0735
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220437 representing NM_153579
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGACTACAGGTATCGGGACAACATGAGGGCTATGCCCTAGTGATGGCTACTACCGTAGCAATG
 AGCAGAATCAGGAAGAAGATGCACAGAGCGATGTTACAGAAGGCCATGACGAGGAAGATGAGATCTATGA
 AGGCGAGTACCAAGGCATCCCTCATCCAGATGATGTAAGTCTAAGCAGACCAAGATGGCGCCCTCCAGA
 GCAGATGGTCTTGGGGGCCAGGCAGACTTGATGGCTGAGAGGATGGAAGATGAGGAGGAGCTGGCTCACC
 AATATGAGACCATCATTGATGAGTGTGGCCATGGGCGCTTCCAGTGGACCCTCTTCTTCTGCTTGGGTTT
 GGCCTTGATGGCTGATGGAGTGGAAATATTTGTAGTGAGCTTGTCTGCCAAGTGCAGAGAAAGACATG
 TGTCTGCCAGTCCAAGAAAGGAATGCTTGGGCTGATAGTCTACCTAGGAATGATGGCAGGGGCCCTTCA
 TCTTGGGCGCCCTGGCTGATAAACTGGGAAGGAAGAAGGTCCTCAGCATGCTACTGGCCATCAATGCCTC
 CTTTGCTTCACTCTCCTCTTCTGTCAGGGATATGGAGCCTTCTCTTCTGCAGACTCATCTCAGGCATA
 GGGATTGGGGGCTCCCTGCCAATGTTTTTGCCTACTTTTCTGAGTTCCTATCACGAGAGAAACGGGGT
 AGCATCTTAGCTGGCTGGGCATCTTCTGGATGACTGGAGGCATCTATGCATCTGCCATGGCTGGAGCAT
 CATTCCACACTATGGCTGGGGCTTCCAGCATGGGGACTAATTACCCTTCCACAGCTGGAGAGTGTGTC
 ATCGTCTGTGCTCTGCCCGCCACTGTGTCCATGGTGGCTCTGAAGTTCATGCCAGAAAGCCCGAGTTCC
 TGCTGGAGATGGGCAAACATGATGAAGCCTGGATGATTCTCAAACAAGTCCATGATACAAACATGAGAGC
 TAAGGGGACCCCGAAAAGGTGTTACGGTTCACGCATCAAACTCCCAAGCAAATGGATGAATTCATT
 GAGATACAGAGCTCAACCGAACTTGGTACCAGCGCTGGCTGGTCAAGTTCATGACCATTTTCAAACAGG
 TCTGGGATAACGCCTTGTACTGTGTGATGGGGCCCTACAGAATGAACACCCTGATTCTGGCTGTGGTCTG
 GTTACCATGGCCTTAAGTTACTACGGCCTGACGGTGTGGTTCCTCCGACATGATCCGCTATTTCCAGGAT
 GAAGAATAAAGTCTAAAATGAAGGTGTTTTTGGTGAGCACGTGCATGGCGCCACGATCAACTTTACCA
 TGGAAAACCAGATCCACCAACATGGGAAGCTTGTGAACGATAAGTTCATAAAGATGATTTTTAAACATGT
 CCTCTTTGAGGACACATTTCTTTGACAAATGCTATTTTGAAGATGTGACATCCACAGATACGTATTTCAAG
 AACTGCACCATCGAATCGACCACCTTCTACAACACAGACCTCTACAAACACAAGTTCATCAACTGTCGGT
 TTATCAATTCACCTTTCTGGAGCAGAAGGAGGGCTGCCACATGGACTTTGAAGAGGACAATGATTTTCT
 GATTTACCTCGTCAGCTTCTCGGCAGCCTCTCTGTCTTGCCTGGGAACATAATTTCTGCCCTGCTCATG
 GACAGAATTGGAAGACTCAAGATGATTGGCGGCTCCATGCTCATCTCTGAGTCTGCTGCTTCTTCTGT
 TTTTTGGCAACAGCGAGTCTGCGATGATCGGCTGGCAATGCCTGTCTGTGGGACCAGCATTGCAGCCTG
 GAATGCTCTGGATGTGATCACAGTTGAGCTGTATCCCACCAACCAGAGGGCCACGGCCTTCGGCATCCTC
 AACGGACTGTGCAAGTTTGGGGCCATCCTGGGAAACACTATCTTTGCTTCTTTGTTGGGATAACCAAAG
 TGGTCCCCTCTTCTGGCTGCTGCTTCTCTGTTGGAGTGGCCTGATTGCCCTTCGATTGCCAGAGAC
 TCGAGAGCAAGTCTGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153579
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:	<ol style="list-style-type: none">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_153579.4</u> , <u>NP_705807.2</u>
RefSeq Size:	5548 bp
RefSeq ORF:	2052 bp
Locus ID:	64176
UniProt ID:	<u>Q8BG39</u>
Cytogenetics:	7 D1
Gene Summary:	Probably plays a role in the control of regulated secretion in neural and endocrine cells. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. All seven variants encode the same protein.