

## Product datasheet for **MR210019**

### **Sv2b (NM\_001109753) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sv2b (NM_001109753) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sv2b
Synonyms:	A830038F04Rik; AI850768; mKIAA0735
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210019 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGACTACAGGTATCGGGACAACATGAGGGCTATGCCCTAGTGATGGCTACTACCGTAGCAATG  
 AGCAGAATCAGGAAGAAGATGCACAGAGCGATGTTACAGAAGGCCATGACGAGGAAGATGAGATCTATGA  
 AGGCGAGTACCAAGGCATCCCTCATCCAGATGATGTCAAGTCTAAGCAGACCAAGATGGCGCCCTCCAGA  
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 TCGAGAGCAAGTCTGATG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

**Protein Sequence:** >MR210019 protein sequence  
 Red=Cloning site Green=Tags(s)

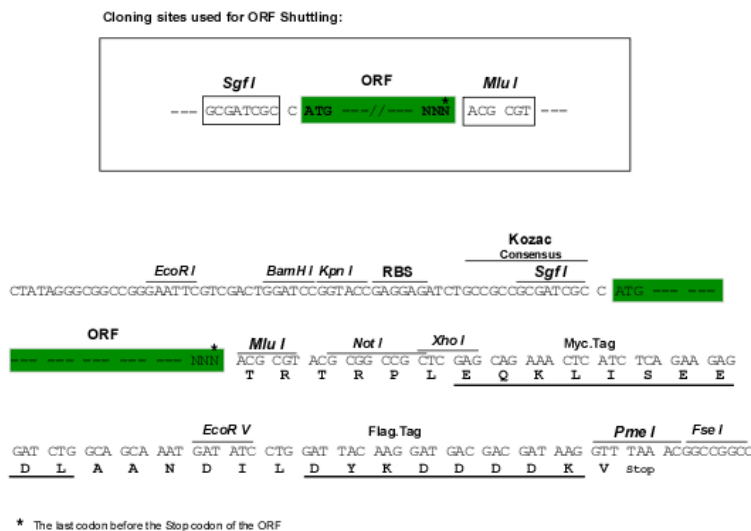
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 EIQSSTGTWYQRWL VRFMTIFKQVWDNALYCVMPYRMTLILAVVWFTMALSYGLTVWF PDMIRYFQD  
 EEYKSKMKVFFGEHVHGATINFTMENQIHQHGKLVNDKFIKMYFKHVL FEDTFFDKCYFEDVTSTDTYFK  
 NCTIESTTFYNTDL YKHKF INCRF INSTFLEQKEGCHMDFEEDNDFLIYLV SFLGSLVLP GNIISALLM  
 DRIGRLKMIGSMLISAVCCFFLFFGNSESAMIGWQCLFCGTSIAAWNALDVITVELYPTNQRATAFGIL  
 NGLCKFGAILGNTIFASFV GITKVVPI LLAASLVGGGLIALRLPETREQVLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001109753

**ORF Size:** 2052 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\\_001109753.1](#), [NP\\_001103223.1](#)

**RefSeq Size:** 5341 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 64176

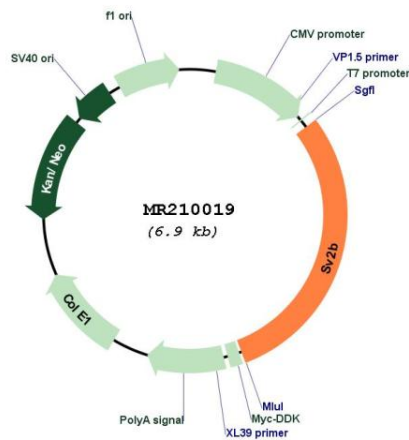
**UniProt ID:** [Q8BG39](#)

**Cytogenetics:** 7 D1

**MW:** 77.5 kDa

**Gene Summary:** Probably plays a role in the control of regulated secretion in neural and endocrine cells. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210019