

Product datasheet for **RN200842**

Sh2b2 (NM_053669) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2b2 (NM_053669) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sh2b2
Synonyms:	Aps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200842 representing NM_053669
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGGTGCCACCCCCGGCTCGGCAGCCGCCCCGCCAGTCCCCGACTGGAGGCAATTCTGCGAGC
 TGCACGCTCAGGTAGCTGCTGTGGACTTCGCTCACAAGTTCTGCCGTTCTTTCGGGACAACCCGACCTA
 CGACACGCCTGACGCTGGGACCTCGTTCTCCGCCACTTTGCAGCCAATTCTTGGCAGTCTTCAGCGAG
 GAAGTGCGCCCGCTGCTGGGGACAGCAGCTGACACCATGGAACCCGAGCCTGCGGTGACCTCCGTGACCT
 CGGCGCTCAAGACTGCAACCTATGGCCACTCTCGCAGCTCCGAAGATGTGTCTGCTCACGTGGCTACCAA
 GGCCCGTGTCCGCAAAGGCTTCTACTGCGTAACATGAGCCTGTGTGTAGTGGACGGAGTGCAGGACCTA
 TGGCACCCGGCGCATCCCCAGAGCCCGAGGGTGGGGCCACCCGAAAACCACCGAGCCTGTGTCCGAGC
 CTCGTGACAAATGGACGCGACGCTGCGGCTGGCAGAACCTGGCAGCCAAAGTGGAGTTAGTGGACAT
 CCAGCGCAGGGGCGCACTGCGCTTCATGGTGGCAGATGATGCAGCCTCCGGCCCTGGGGGCACGGCACAG
 TGGCAGAAATGTCGCTGCTCCTCCGAAGGGCTGTGGCCGGAGAGCGCTTCCGCCTGGAGTTCTTGTGC
 CACCCAAGGCTTCCAGACCCAAGGTCAGCATCCCCCTGTGCGCCATCATCGAGGTCGGAACCCACCATGCC
 CCTGGAATGCCTGAGAAGGACAACACATTTGTGCTCAAGGTGGAGAACGGAGCGGAGTACATTCTGGAG
 ACGATAGACTCACTACAGAAGCACTCGTGGGTGGCTGACATCCAGGGCTGTGTGGATCCTGGGGACAGTG
 AGGAAGACACAGGGCTGTCTTGTGCACGGGGAGGCTGTCTGGCCAGCCGCGTGACCTCCTGCAGCTGTGA
 GCTCCTGACAGAAGCAGACATGCCCCGGCCCCAGAGACGATGACAGCAGTGGGTGCTGTGGTTACAGCT
 CCACATGGCCGAGCTCGTGACACCGTGGGAGAGTCCCTGGCTCACGTTCCCTGGAGACTTTCCTGCAAA
 CCCTGGAGTCTTCAGGTGGTGTGAGTGTGAGAGCAATAACACAGGGGATGAAGGAGCTGAGTGGACCCCGA
 TGCTGAGGCTGAGCTGGAACCTCCGACTACCCCTGGTTCCATGGGACACTGTCCCGGGTGAAGGCCGCC
 CAGCTGGTGTGGCTGGTGGGCCCGGAGTCACGGCCTTTTGTGATCCGCCAAAGCGAGACTCGGCCTG
 GGGAGTGTGTGCTGACCTTCAACTTCCAGGGCAAGGCCAAGCACCTTCGCCTTTCTGAAATGGTACCGG
 CCAGTGTGATGTCCAACACCTGTGGTCCAGTCCGTTTGTGATGCTTCGACACTTCCACACCCACCCC
 ATTCCCTGGAGTCAGGAGGATCCGCTGACATCACCTACGAAGCTACGTGCGTGCCCAAGGTCACCTC
 CTGATCCAGGACCAGCGCCCAACTGCAGCCCCGGTCCCGCCCTGCTGGACGGAGCCGGCTGGCCAGCA
 CTACTTCTCCAGCTGGCCACGGCCACCTGCCACCCACTTACCCTCCAATGGCGTGGAGCATCGTGC
 TCATCCGGTTCATCATCCTCTGCTACGTCCGTGCCCCACGCCAGCCGAGGGGCCACTCAGTGCAGCGCA
 GTCGACGCAACAGCACAGAGCACCTGCTAGAGGCTGCATCCGGAGCCACTGAGGAGCCCGCAGATGCCAC
 GCTGGGCCGCGCTCGCGCTGTGGAGAATCAGTACTCCTTTTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053669
- Insert Size:** 1866 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: [NM_053669.1](#), [NP_446121.1](#)

RefSeq Size: 2856 bp

RefSeq ORF: 1866 bp

Locus ID: 114203

UniProt ID: [Q9Z200](#)

Cytogenetics: 12q12

Gene Summary: plays a role in Trk mediated signalling during neurogenesis [RGD, Feb 2006]