

Product datasheet for **SC122318**

SH2B1 (BC010704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2B1 (BC010704) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2B1
Synonyms:	DKFZp547G1110; FLJ30542; KIAA1299; SH2 domain-containing putative adapter SH2-B; SH2-B; SH2-B alpha signaling protein; SH2-B gamma signaling protein; SH2-B homolog; SH2B; SH2B adaptor protein 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC010704 edited
GGGCCGAGGCTGCCTTCTCCCGCGTTTTGCTGAGCTCTTCTGCAGCACTTTGAAGCCG
AGGTGGCCCGGGCCTCTGGCTCCCTGTCCGCCACCCATCCTGGCTCCCCTGAGCCCTGGTG
CGGAGATTTCCGCACATGACCTGTCCCTTGAGAGCTGCAGGGTGGGTGGGCCCTGGCTG
TGCTGGGCCCTTCTCGATCATCTGAGGACCTGGCCGGCCCCCTCCCTTCTCAGTCTCTT
CCTCCTCTACAACCTCTCCAAGCCGAAGCTCAAGAAGCGTTTTCCCTGCGTTCAGTGG
GTGCGCTGTGCCGAGGCTCAGTCCGTGGCATCCTGCAGTGGCGGGGGACCGTTGACCCTC
CCTCCTCCGCTGGGCCCTGGAGACCTCGTCAGGCCCCCAAGTCTTAGGTGGAACAGCA
ACTCCAACCTCTGGCGGGGCTGGGACCGTTGGTAGGGACTGGTCAAGTATGGAACGT
CCCCTGGGAAAGATGGACTCACCGTTTTGAGAGGCTGAGACTCAGTCGGGGAGGGGGCG
CCTTGAAGGATGGAGCAGGGATGGTGCAGAGGAAGAGCTGTGAGTTTCATGGGGGCTG
AGGAGGCAGCCCCTGACCAGCCGGAGTGGCCGGGGAGGAGGGTGGCTGGGCCCTCTT
CAGGGGGAGGAGGCAGCCTCAGTGGCAGAAGTGTCCCTGCTGCTTCAAGTGAAGGAG
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TCAGCATCCCCTGCTTCTATACAGACGTCCGGACAACCACAGCCCTGGAGATGCCTG
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TGTGCTGAACGAGGAGGGTCAAGTGCAGGGTCCAGCACCTGTGGTTCCAGTCCATTTTCG
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TTGTCCTTGTGAGTATGTCCTCCTCCAGCGACAGCAGGGCCGGGAGCAGGCTGGGA
GCCATGCGGGGGTGTGCGAGGGAGATGGATGCCACCCGATGCCTCCTGCACCCATGC
CCTTCGGAGCGAGTACTGTGTAACCGACCACCTCCCATGACCCACCCAGCCCCCTGAA
CCCCCTTCATGGACAGATCCCCCACAGCCTGGGGCAGAAGAGGCGTTCGAGGGCGCCAGAA
GTGGCGGCGAGCAGCCGCGCAGCAGCCAAAGAGAGGCAAGAGAAAAGAGAAAGCGGGCGGT
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GAGGCCATAGCCCCAGGCTCAGAGGCCAGGGCGCTGGTCTGGTGGGGACCGGGGGTG
CCCCAATGGTGCAGTGCAGCAGTCAACTAGGGGGTATGGAGAGGAAGGGGGCCAC
CCCAGGGCCATTAACAACCACTACTCCTTCGTGTGAGCCAACCCACCCGCTCCACCTT
TTTAAACCCCCAGCCCTGCTCGTGAGATTGGGCTGGTAGGGACAGAGGAGGCCAAAT
CCCTCCCCATGCTTCCGACCCTTGTGGCCAAGGGCATCTTTGATGGTACAAGCAGAG
GCTCGGGAGAGGCTCCCGTCACACACTACAGTCCCTCCCCAGGGCAGGGGATTTGGGC
TCCATGAGCTCCTTGGGGGCTCTTCTGGTCAAGCCACCCCTGGGGGCCATTTCCCATT
AACTACCCCGAGCCGAGGCGAGGGTGGGGGGAAGGGCTGTGAGTTACATTAAGGTGGTT
GTTGTTGTTGTTTTAAACAAAATGGAGAAGCATAAATAAATAAAAAGTTTATCTCGTT
CTATCGTGAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010704 unedited TGCATTTGTATACGACTTACTATAGGCGGCCGGAATCCCGGGATATCGTCGACCCACG CGTCCGGGGCCGAGGCTGCCTTCTCCCGCGTTTTGCTGAGCTCTTCTGCAGCACTTTG AAGCCGAGGTGGCCCGGGCCTCTGGCTCCCTGTCGCCACCCATCCTGGCTCCCCTGAGCC CTGGTGCCGAGATTTCCGCACATGACCTGTCCCTTGAGAGCTGCAGGGTGGTGGCCCC TGGCTGTGCTGGGCCCTTCTCGATCATCTGAGGACCTGGCCGGCCCCCTCCCTTCTCAG TCTCTTCTCCTTACAACCTCTCCAAGCCGAAGCTCAAGAAGCGCTTTTCCCTGCGTT CAGTGGGTGCTGTCCGAGGCTCAGTCCGTGGCATCCTGCAGTGGCGGGGACCGTTG ACCCTCCCTCCTCCGCTGGGCCCTGGAGACCTCGTCAGGCCCCCACTTAGGTGAA ACAGCAACTCCAACCTCTGGCGGGGCTGGGACCGTTGGTAGGGGACTGGTCAGTGATG GAACGTCCCCTGNGGAAAGATGGACTCACCGTTTTGAGAGGCTGAGACTCAGTCGNGAG GGGGCGCCTTGAANGATGGAGCATGGATGGTGCANAGGGAAGAGCTGCTGAGTTTCATGG NGGCTGANGAGGCAGCCCTGACCCANCNCGATGNGCCCGGAGGAGGGTGGCTGGGC CTCCTTACAGNNGAGGAGNCAGCCTCAGTGGCAGAAGTGTGCCTGCTTCCAATGA ANGAGAAGGANGNAGAGAAGTCGCTGGAGTTCTTTGTACCACCCAGGGCCTCTCGCCC GACAANCATCCCCTGCTTCTTACAGAACTCCGGACACCACAGNCCTGNAGATGCCTG ACCGGGAGAACACGTTTGGTGGTAAGTGGAAGTCC
Restriction Sites:	Please inquire
ACCN:	BC010704
Insert Size:	2606 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:	BC010704.1 , AAH10704.1
RefSeq Size:	2606 bp
Locus ID:	25970
Cytogenetics:	16p11.2
Protein Pathways:	Neurotrophin signaling pathway

Gene Summary:

This gene encodes a member of the SH2-domain containing mediators family. The encoded protein mediates activation of various kinases and may function in cytokine and growth factor receptor signaling and cellular transformation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]