

Product datasheet for **SC326621**

SH2B1 (NM_001145795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2B1 (NM_001145795) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2B1
Synonyms:	PSM; SH2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145795, the custom clone sequence may differ by one or more nucleotides

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ATGAATGGTGCCCTTCCCAGAGGACGGGGCCTCCCCTCGTCTCCCCCGTGCCCCACCCCCGCCCC
CTAGTTGGCGGGAGTTCTGTGAGTCCCACGCCCGGGCTGCGGCTCTGGACTTTGCCCGCGTTTTGCGCT
CTACCTGGCCTCCCACCCCAATATGCGGGGCCCGGGGCCGAGGCTGCCTTCTCCCGCGTTTTGCTGAG
CTTTCTGCAGCACTTTGAAGCCGAGGTGGCCCGGGCCTCTGGCTCCCTGTCGCCACCCATCCTGGCTC
CCCTGAGCCCTGGTGGGAGATTTCGCCACATGACCTGTCCCTTGAGAGCTGCAGGGTGGGTGGGCCCT
GGCTGTGCTGGGCCCTTCTCGATCATCTGAGGACCTGGCCGGCCCCCTCCCTTCTCAGTCTTCTCTCC
TCTACAACCTCTCAAGCCGAAGCTCAAGAAGCGTTTTCCCTGCGTTCAGTGGGTGCTCTGTCCGAG
GCTCAGTCCGTGGCATCTGCAGTGGCGGGGACCGTTGACCCTCCCTCCTCCGCTGGGCCCTGGAGAC
CTCGTCAGGCCCCAGCTTAGGTGGAACAGCAACTCCAACCTCTGGCGGGGCTGGGACCGTTGGT
AGGGGACTGGTCACTGATGGAACGTCCCCTGGGAAAGATGGACTCACCGTTTTGAGAGGCTGAGACTCA
GTCGGGGAGGGGGCGCCTTGAAGGATGGAGCAGGGATGGTGCAGAGGGAAGAGCTGCTGAGTTTCATGGG
GGCTGAGGAGGCAGCCCTGACCAGCCGAGTGGGCCGGGGAGGAGGGTGGCTGGGCCTCTTACAGGG
GGAGGAGGGCAGCCTCAGTGGCAGAAGTGTGCGCTGCTGCTTGAAGTGAAGGAGAAGGAGGAGGAGGAA
GTCGCTGGAGTTCTTTGTACCACCAAGGCCTCTCGGCCCGACTCAGCATCCCCTGCTTCTATCAC
AGACGTCCGGACAACCACAGCCCTGGAGATGCCTGACCGGGAGAACACGTTTTGTGGTTAAGGTGGAAGGT
CCATCCGAGTATATCATGGAGACAGTGGATGCCAGCATGTGAAGGCCTGGGTGTCTGACATCCAAGAT
GCCTGAGCCCAGGACCCCTGCCCTGCTACCAGTCCCCGCCCATGACCCTCCCTCTGGCCCTGGGACCTC
ATTCTTACAAGGGAGAACACAGACAGCCTGGAGCTGCTCTGCTGAATCACTCGGAGAGTCTACCCAGC
CAGGACTGCTGCTTGGACCCAGCGAGAGCAATGACCCTGTGCGAGGGGGCATATGGGGCCTCTCAG
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GCTTCCCCCAGAGTTGCCCCCCGCATCCCCATTGAAGAGGGACCCCAACAGGGACAGTTCATCCCTC
TCAGCCCCCTACCCTCCCTTGGACTCCGAAACAGCCACAGGGTCTTCTGTTCCAGGGGGAGCCAG
AGGGCGGTGAGGGGGACAGCCCTCTCAGGGTATCCTTGGTTCCACGGGATGCTCTCTCGGCTCAAGGC
TGCACAGTTGGTGTGACTGGCGGCACTGGCTCCACGGTGTCTTCTGGTGCGCCAGAGTGAACAAGG
CGGGGTGAATACGTCCTCACCTTCAACTCCAGGGCAAGGCCAAGCACCTGCGTTTGTGCTGAACGAGG
AGGGTCAGTGCCGGTCCAGCACCTGTGGTTCCAGTCCATTTTCGATATGCTCGAGCACTCCGGGTGCA
CCCCATCCCTTTGGAGTCGGGAGGCTCCAGTGTGTTGCTTGTGCTGATGTCCATCCTCCCAGCGA
CAGCAGGAACCGACCACCTCCCATGACCACCCAGCCCTGAACCCCTTTCATGGACAGATCCCCAC
AGCCTGGGGCAGAAGAGGCGTCGAGGGGCCAGAGTGGCGGCAGCAGCAGCCGAGCAGCCAAAGAGAG
GCAAGAGAAAGAGAAAGCGGGCGGTGGAGGGTCCCGGAAGAGCTGGTCCCCGTGGTTGAGCTGGTCCCC
GTGGTTGAATTGGAAGAGGCCATAGCCCCAGGCTCAGAGGCCAGGGCGCTGGGTCTGGTGGGACGCGG
GGGTGCCCCCAATGGTGCAGCTGCAGCAGTCACTAGGGGGTGGTGGAGAGGAAGGGGGCCACCCAG
GGCCATTAACAACCACTACTCCTTCGTGTGA
    
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Restriction Sites: Please inquire
ACCN: NM_001145795

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	<p>NM_001145795.1, NP_001139267.1</p>
RefSeq Size:	<p>2946 bp</p>
RefSeq ORF:	<p>2271 bp</p>
Locus ID:	<p>25970</p>
UniProt ID:	<p>Q9NRF2</p>
Cytogenetics:	<p>16p11.2</p>
Protein Pathways:	<p>Neurotrophin signaling pathway</p>
Gene Summary:	<p>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] Transcript Variant: This variant (1) encodes the longest isoform (1), also known as SH2B adaptor protein 1 alpha.</p>