

Product datasheet for **SC327968**

SH2B2 (NM_020979) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2B2 (NM_020979) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2B2
Synonyms:	APS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

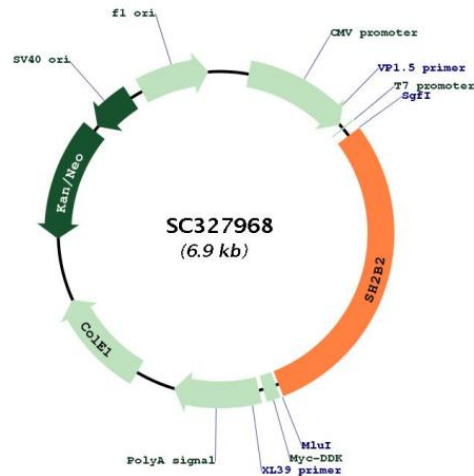


[View online »](#)

Fully Sequenced ORF: >SC327968 representing NM_020979.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCCAAGCTATTGTCTGCCATGGCTTCCCATCTCAGGACCTCTCTGGCCGCTATCATCCCAG
CAGTGGAGTTCAGCCCCTACTCTGAACCAGCCGAGGTGGTGGCATGGGACGGAAGCCATGAATGGT
GCCGGCCCTGGCCCCGCGCAGCCGCCCGGTCCAGTCCCGGTCCCGGACTGGCGGCAGTTC
TGCAGCTGCATGCGCAGGCGGCCGCGTGGACTTTGCGCACAAGTTCTGCCGTTTCTGCGGGACAAC
CCAGCTTACGACACGCCGACGCCGCGCCTCTCTCCCGCACTTCGCCGCAACTTCTGAGCAGTTC
TTCGGCGAGGAGGTGCGCCGCTGCTGGTGGTGGGCGGACGACTCGGGGCGGGCCGTGAGCGCAGAG
GCCATGGAGCCGAGCTCGCGGACCTCTGCACTCAAGCGGCGCCCTACGGCCACTCGCGGAGCTCG
GAGGACGTGTCCACGCACGCGGCCACCAAGGCCCGGTTTCGAAGGGCTTCTCGTGCGCAACATGAGC
CTGTGCGTGGTGGACGGGTGCGCGACATGTGGCACCGGCGCCCTCGCCGAGCCCGACGCGGCAGCT
GCCCGCGCACCCGAGCCCGCGACAAGTGGACGCGGCGCCTGAGGCTGTGCGGAGCTGGCTGCC
AAGGTGGAGTGGTGGACATTCAACGCGAGGGGGCGTGGCTTTCATGGTGGCCGACGACGCGGCCGCG
GGCTCCGGGGGCTCGGCTCAGTGGCAGAAGTGGCCCTGCTCTGCGCAGGGCTGTGGCCGAGGAACGC
TTCCGCTGGAGTTCTTCGTGCCGCCAAAGCCTCCAGGCCAAAGGTGAGCATCCCACTGTGAGCCATC
ATTGAGTCCGCACCACCATGCCCTGGAAATGCCAGAGAAGGATAACACATTTCCTCAAGGTAGAG
AATGGAGCCGAATACATCTTGGAGACCTGACTCTCTGAGAAGCACTCGTGGGTAGCTGACATCCAG
GGTGGTGGACCCCGGTGACAGTGAGGAAGACACCGAGCTCTCTGTACCCGAGGAGGCTGTCTGGCC
AGCCCGTGGCTCTCTGAGCTGTGAGCTCCTGACTGATGACGTCGACCTGCCCGCCCCCAGAGACG
ACAGCCGTGGTGCAGTGGTGCAGCCCCCAGCCGAGGTGAGATGCCGTGAGAGAATCCCTGATC
CAGTCCCGCTAGAGACCTTTCTGAGACCTGGAATCCCGGGCGGACGCGGAGTGCAGCAATAAC
ACAGGGGAACAGGTGCAGAGACGGATCCCGAGGCTGAACCCGAGCTGGAGCTATCCGACTACCCATGG
TTCCACGGGACTGTCCCGGTCAAGGCTGCTCAACTGGTTCTGGCAGGGGGGCCCGGAACCACGGC
CTCTTCGTGATCCGCCAAAGTGCAGTCCGCTGGGGAGTACGTGCTGACCTTCAACTTCCAGGGCAAG
GCCAAGCACCTGCGCCTGTCCCTGAACGGCCACGGCCAGTGTACGTACAGCATCTGTGGTTCCAGTCT
GTGCTTGACATGCTCCGCCACTTCCACACACACCCCATCCCACTGGAGTACAGGGGCTCGGCCGACATC
ACCCTTCCAGCTATGTGCGGGCCAGGACCCCCACAGAGCCGGGGCCACGCCCCCTGCCGCGCCC
GGTCCCCGGCTGCTGGAGGACTCGCCGGCCAGCACTACTTCTCCAGCTCGCCGCGGCCGCTGC
CCGCTCGCTCGCCTCCGACGCGCGCGGCGCCTCCTGCTTCCGCTCGTCTGCTCTGCCGCGTGC
GGGCCCCCCCCCGCGCCCCGTGAGGGCCAGCTCAGCGCGGAGCCGAGCAACAGCGCCGAGCGC
CTGCTGGAGGCGGTGGCCGCCACCGCGCCGAGGAGCCCCGGAGGCCGCGCCCGGCCGCGCGCGCC
GTGGAGAACCAGTACTCCTTCTACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_020979

Insert Size: 2028 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).

OTI Annotation: 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.

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_020979.4](#)

RefSeq Size: 2226 bp

RefSeq ORF: 2028 bp

Locus ID: 10603

UniProt ID: [O14492](#)

Cytogenetics: 7q22.1

Domains:	SH2, PH
Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway, Neurotrophin signaling pathway
MW:	72.3 kDa
Gene Summary:	The protein encoded by this gene is expressed in B lymphocytes and contains pleckstrin homology and src homology 2 (SH2) domains. In Burkitt's lymphoma cell lines, it is tyrosine-phosphorylated in response to B cell receptor stimulation. Because it binds Shc independent of stimulation and Grb2 after stimulation, it appears to play a role in signal transduction from the receptor to the Shc/Grb2 pathway. [provided by RefSeq, Jun 2009]