

Product datasheet for **SC116759**

SSH3BP1 (ABI1) (NM_005470) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_005470) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSH3BP1
Synonyms:	ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005470, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC
AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACACTACATACAGGCTACAGACAAGAGAAAAGCTTT
AGAGGAGACCAAAGCCTATACAACCCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC
AATGTACTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT
CACAGACTGTGGATATTCATAAGGAGAAAGTGGCACGAAGAGAGATTGGTATTTTGACAACAATAAGAA
TACATCAAGAACTCACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAAACCT
ATCGATTACACAGTTCTGGATGATGTGGGCCATGGTGTCAAGTGGCTAAAAGCCAAGCATGGAAATAACC
AGCCTGCAAGAAGTGGCACACTGTCGAGAACAATCCTCCTACTCAGAAACCGCCAAGTCTCCCATGTC
AGGCCGGGGAACACTGGGACGGAATACTCCTTATAAAAACCTGGAACCTGTTAAACCCCAACAGTTCCT
AATGACTATATGACCAGTCTGCTAGGCTTGAAGTCAGCATAGTCCAGGCAGGACAGCATCTTTAAATC
AGAGACCAAGGACACACAGTGAAGTAGTGGAGGAAGTGAAGTCGAGAAAACAGTGGTAGCAGTAGTAT
TGGCATTCCCATTGCTGTGCCTACACCTTCGCCACCCACTATTGGACCAGAAAACATTTCTGTCCCTCCT
CCTTCTGGAGCTCCACCAGCACCTCTGGCACCCTCTCCAGTGAGCACTGTGATAGCAGCCCCGG
GCTCAGCTCCTGGTCCCAGTATGGCACAATGACCAGGCAGATATCTCGACAACTCTACTACTTCTTC
GACATCTTCTGGTGGATACAGACGAACCTCCTGTGACTGCTCAATTTCTGCTCAGCCTCATGTTAAT
GGAGTCCACTTTATTCTCAAAAATCAATTTCTATTGCTCCACCCCTCCCTATGCCTCAGTTGACTC
CACAGATACCTCTCACAGGCTTCGTGGCCAGGGTGCAGGAAAACATTGCTGATAGTCCAACCTCCACCGCC
ACCACCTCCACCAGATGACATTCCTGTTGATGACTCTCCACCTCCCCACCACCACCAGTGGAT
TATGAAGATGAGGAGGCTGCAGTAGTTCAGTATAATGATCCATATGCAGATGGGGATCCTGCTGGGCC
CCAAGAATTATATTGAGAAAAGTTGTTGCAATATATGATTATACAAAAGACAAGGATGATGAGCTGTCATT
TATGGAGGTGCAATCATTTATGTTATAAAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGA
GTGACTGGTCTGTTCCCTGGGAACATGTTGAATCAATCATGCACATACTGATTA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005470 unedited</p> <pre>TCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGAGGTG CTCGGAGCCTCGGCGGACCTTGCTGCCTCTGTCTCTTTAACGCGAGAGGAAGCGATGCAG AGGGGTGGAAAATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGA GGGCGTGTATCGAGAGTTACCAGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACT ACATACAGGCTACAGACAAGAGAAAAGCTTTAGAGGAGACCAAAGCCTATACAACCCAAT CTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAACAATGTAAGTCCAGTTGCTGG ATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTTCCATCAATCATATCTCACAGACTG TGGATATTCATAAGGAGAAAAGTGGCACGAAGAGAGATTGGTATTTTGACAACAAATAAGA ATACATCAAGAACTCACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATA TTCGGAACCTATCGATTACACAGTTCTGGATGATGTGGGCCATGGTGTCAAGTGGCTAA AAGCCAAGCATGGAAAATAACCAGCCTGCAAGAAGTGGCACACTGTGAGAACAAATCCTC CTACTCAGAAACCGCAAGTCTCCCATGTCAGGCCGGGAACTGGNGACGGATACTC CTTATAAAACCTGGAACCTGTTAAACCCCAACAGTTCCTAATGACTATATGACCAGTC CTGCTAGGCTTGAAGTCAGCATAGTCCAGGCAGGACAGCATCTTTAATCAGAGACCAA GGACACACAGTGGNAAGTAGTGGGAGAAGTTGGAAGTCGAGAAAACAGTGGTAGCAGTAG TATTGGCATTCCCATTGCTGTGCCTACACCTTCGNACCCCACTAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005470 unedited</p> <pre>CTCTGGACCGGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCATATAGGA GAATGGTTTATTATAAAAGACTGTACATAAAATTTAGACAACAGGTTATATACAAATTA GAGAACAAATCCACTTGAAAAATGGAAAAGTAAAAGGTAGCTAGCTGACTCAATGATACT TTGTTTGTAAAATTAACAAAGGCAAAATGCATATGAAATAGTCACATTGATTTGGTAG CAATAATGGTCTTTAATTTTCAAAAATAACTGTTTTGCACTAGTCTTACCATTCACTATG CTGTTATAAGTCTGTAGCATCCAGTACATAACTGTAATTTGAATTCCAAACAAATCCTCA ATAACACAGAAACCCACACTTGAGTGCTCTACTTAAATATCCTAAGCAATAGAGAATTAT ACACAAGACAAGAAGAGAAAACATCCCTCAGCCCTCCCTTCAATTAAGAGGAGACACACA AAGTGCATGTGTTGCATTTTGATTATGTCAAAGACAATCCAAGTCTGTTGGTTAGGTAA ATCTCTGTTCACTGATTAATACATGACCCACCTCTTTCCCAATTATTTTATTTTAAAAT TCTAATGTTGCTAGTGCCAGTAATGGATTAAGAGTGCCTACTCACAAATCAACTGTAT CCACTTTTACAATATGTAAAAGGTACTTTTTAACTTCCTTTTATTGAACCAAGGTACAA CAGGTCACTGTACAATGTAAGGACCGACATGGCAATCCCTTAAGAAATTTACCTACAAAA TGAATGCACCCAATTNTGACACATTTTCTAATTTCAAAGAATTTCAAAGGAAAAT CAGTACATGGACTTGTAATAACCCTGGCCAAATTTGAAATCTGCAAAAACCCGCCATT GTTGTGGGCACAAATAACAATAAGGCCTATAATTTTTTCCCCTCACAATATTGGGGAAA AAAAACACAATTTGCGCCAACAATCTATCTTTTTTTTTTCAAACCACACACCGAGAAGA GCCACACTCTCCCTCCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005470
Insert Size:	3220 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_005470.2](#), [NP_005461.2](#)

RefSeq Size: 3668 bp

RefSeq ORF: 1527 bp

Locus ID: 10006

UniProt ID: [Q8IZP0](#)

Cytogenetics: 10p12.1

Domains: SH3

Gene Summary: This gene encodes a member of the Abelson-interactor family of adaptor proteins. These proteins facilitate signal transduction as components of several multiprotein complexes, and regulate actin polymerization and cytoskeletal remodeling through interactions with Abelson tyrosine kinases. The encoded protein plays a role in macropinocytosis as a component of the WAVE2 complex, and also forms a complex with EPS8 and SOS1 that mediates signal transduction from Ras to Rac. This gene may play a role in the progression of several malignancies including melanoma, colon cancer and breast cancer, and a t(10;11) chromosomal translocation involving this gene and the MLL gene has been associated with acute myeloid leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 14. [provided by RefSeq, Sep 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.