

Product datasheet for **RG230176**

SSH3BP1 (ABI1) (NM_001178116) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001178116) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABI1
Synonyms:	ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230176 representing NM_001178116
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC
 AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACACATACAGAGACATGGTTTTGCTGTGTGCT
 GTGTCTGCTCTCAAACCTCTGGCCTCAGGCTACAGACAAGAGAAAAGCTTTAGAGGAGACCAAAGCCTAT
 ACAACCCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAACAATGTACTCCAGTTGCTGG
 ATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTTCCATCAATCATATCTCACAGACTGTGGATATTCA
 TAAGGAGAAAAGTGGCAGCAAGAGAGATTGGTATTTTGACAACAAATAAGAATACATCAAGAACTCACAAA
 ATAATAGCACCTGCGAATATGGAGCGCCTGTAAGGTATATTCGAAACCTATCGATTACACAGTTCTGG
 ATGATGTGGGCCATGGTGTCAAGTGGCTAAAAGCCAAGCATGAAATAACCAGCCTGCAAGAACTGGCAC
 ACTGTCGAGAACAAATCCTCTACTCAGAAACCGCAAGTCTCCATGTCAGGCCGGGGAACACTGGGA
 CGGAATACTCCTTATAAAACCTGGAACCTGTTAAACCCCAACAGTTCCATAAGTACTATATGACCAGTC
 CTGCTAGGCTTGAAGTCAGCATAGTCCAGGCAGGACAGCATCTTTAAATCAGAGACCAAGGACACACAG
 TGAAGTAGTGGAGGAAGTGAAGTCGAGAAAACAGTGGTAGCAGTAGTATTGGCATTCCCATTGCTGTG
 CCTACACCTTCGCCACCCACTATTGGACCAGAAAAATTTCTGTCCCTCCTCCTTCTGGAGCTCCACCAG
 CACCACCTCTGGCACCCTTCTCCAGTGAGCACTGTGATAGCAGCCCGGGCTCAGTCTCGTTCCCA
 GTATGGCACAATGACCAGGCAGATATCTCGACACAACCTACTACTTCTTCGACATCTTCTGGTGGATC
 AGACGAACTCCCTCTGTGACTGCTCAATTTCTGCTCAGCCTCATGTTAATGGAGTCCACTTTTATCTC
 AAAATTCATTTGCTGATAGTCCAACCTCCACCACCAGTGGATTATGAAGATGAGGAGGCTGCAGTAGTATAAT
 CTCTCCACCTCCCCACCACCACCAGTGGATTATGAAGATGAGGAGGCTGCAGTAGTCAAGTATAAT
 GATCCATATGCAGATGGGGATCCTGCTTGGGCCCAAGAATTATATTGAGAAAGTTGTTGCAATATATG
 ATTATACAAAAGACAAGGATGATGAGCTGCTATTATGGAGGGTGAATCATTTATGTTATAAAGAAGAA
 TGATGATGGTGGTATGAAGGAGTCTGCAATCGAGTACTGGTCTGTTCCCTGGGAACTATGTTGAATCA
 ATCATGCACTATACTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230176 representing NM_001178116
 Red=Cloning site Green=Tags(s)

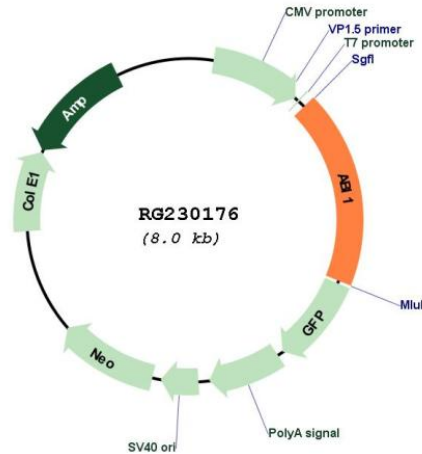
MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQRHGFVLLCLLSNSWPQATDKRKALEETKAY
 TTQSLASVAYQINALANNVLQLLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTTNKNTSRTHK
 IAPANMERPVRYIRKPIDYTVLDDVGHGVKWLKAKHGNNQPARTGTLRTNPPTQKPPSPMSSGRGTLG
 RNTPYKTLEPVKPPPTVPNDYMTSPARLGSQHSPTASLNQRPRTSHSGSSGSGSRENSGSSIGIPIAV
 PTPSPPTIGPENISVPPPSGAPPAPPLAPLLPVSTVIAAPGSAPGSQYGTMRQISRHNSTTSSTSSGGY
 RRTPSVTAQFSAQPHVNGGPLYSQNSIADSPTPPPPPPDDIPMFDDSPPPPPPPVDYEDEEAAVVQYN
 DPYADGDPAWAPKNYIEKVVAIYDYTKDKDDELSFMEGAIIVYIKKNDGWEVGNRVTLFPGNYVES
 IMHYTD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001178116
ORF Size:	1488 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001178116.1](#), [NP_001171587.1](#)

RefSeq Size: 3689 bp

RefSeq ORF: 1491 bp

Locus ID: 10006

UniProt ID: [Q8IZP0](#)

Cytogenetics: 10p12.1

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]