

## Product datasheet for **RG229979**

### SSH3BP1 (ABI1) (NM\_001178124) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001178124) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSH3BP1
Synonyms:	ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229979 representing NM_001178124 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC  
AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACACATACAGGCTACAGACAAGAGAAAAGCTTT  
AGAGGAGACCAAAGCCTATACAACCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC  
AATGTACTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT  
CACAGACTGTGGATATTCATAAGGAGAAAAGTGGCACGAAGAGAGATTGGTATTTTGACAACAAATAAGAA  
TACATCAAGAACTCACAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAACCT  
ATCGATTACACAGTTCTGGATGATGTGGCCATGGTGTCAAGCATGGAATAACCAAGCCTGCAAGAAGCTG  
GCACACTGTCGAGAACAAATCCTCTACTCAGAAACCGCCAAGTCTCCCATGTCAGGCCGGGAACACT  
GGGACGGAATACTCCTTATAAACCCCTGGAACCTGTTAAACCCCAACAGTTCCTAATGACTATATGACC  
AGTCTGCTAGGCTTGGAAAGTCAGCATAGTCCAGGCAGGACAGCATCTTTAAATCAGAGACCAAGGACAC  
ACAGTGGAAAGTAGTGGAGGAAGTGGAAAGTCGAGAAAACAGTGGTAGCAGTAGTATTGGCATTCCCATTGC  
TGTGCCTACACCTTCGCCACCCACTATTGGACCAGTTGCTGATAGTCCAACCTCCACCGCCACCACCTCCA  
CCAGATGACATTCCCATGTTTGTGACTCTCCACTCCCCACCACCACCAGTGGATTATGAAGATG  
AGGAGGCTGCAGTAGTTCAGTATAATGATCCATATGCAGATGGGGATCCTGCTTGGGCCCAAGAATTA  
TATTGAGAAAGTTGTTGCAATATATGATTATACAAAAGACAAGGATGATGAGCTGCATTTATGGAGGGT  
GCAATCATTTATGTTATAAAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTGACTGGTC  
TGTTCCCTGGAACTATGTTGAATCAATCATGCACTATACTGAT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG229979 representing NM\_001178124  
 Red=Cloning site Green=Tags(s)

MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQATDKRKALEETKAYTTQSLASVAYQINALAN  
 NVLQLLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILT TNKNTSRTHKIIAPANMERPVRYIRKP  
 IDYTVLDDVGHGVKHGNNQPARTGTL SRTNPTQKPPSPMSSGRGTLGRNTPYKLTLEPVKPPPTVPNDYMT  
 SPARLGSQHSPPGRTASLNQRPRTHSGSSGSGSRENSGSSSIGIPIAVPTPSPPTIGPVADSPTPPPPPP  
 PDDIPMFDDSPPPPPPPV DYEDEEA AVVQYNDPYADGDPAWAPKNYIEKVVAIYDYTKDKDEL SFMEG  
 AIIYVIKKNDGWYEGV CNRVTGLFPGNYVESIMHYTD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001178124

**ORF Size:** 1164 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\\_001178124.1](#), [NP\\_001171595.1](#)

**RefSeq Size:** 3365 bp

**RefSeq ORF:** 1167 bp

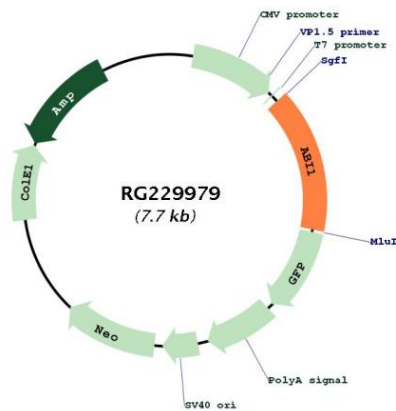
**Locus ID:** 10006

**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]

### Product images:



Circular map for RG229979