

Product datasheet for **RG230150**

SSH3BP1 (ABI1) (NM_001178119) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001178119) 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:

>RG230150 representing NM_001178119
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC
 AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACTACATACAGGCTACAGACAAGAGAAAAGCTTT
 AGAGGAGACCAAAGCCTATACAACCCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC
 AATGTAAGTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT
 CACAGACTGTGGATATTCATAAGGAGAAAGTGGCACAAGAGAGATTGGTATTTTGACAACAAAAGAA
 TACATCAAGAACTCACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAACCT
 ATCGATTACACAGTTCTGGATGATGTGGCCATGGTGTCAAGTGGCTAAAAGCCAAGCATGGAAATAACC
 AGCCTGCAAGAAGTGGCACACTGTGAGAACAAATCCTCTACTCAGAAACCGCCAAGTCTCCCATGTC
 AGGCCGGGAACACTGGGACGGAATACTCCTTATAAAAACCTGGAACCTGTTAAACCCCCAACAGTTCT
 AATGACTATATGACCAGTCTGCTAGGCTTGGAAAGTCAAGTCCAGGAGGACAGCATCTTTAAATC
 AGAGACCAAGGACACACAGTGGAAAGTAGTGGAGGAAGTGGAAAGTGGAGAAAACAGTGGTAGCAGTAGTAT
 TGGCATTCCCATTGCTGTGCCTACACCTTCGCCACCCACTATTGGACCAGCCCCGGGCTCAGCTCCTGGT
 TCCCAGTATGGCACAATGACCAGGCAGATATCTCGACACAACCTACTACTTCTTCGACATCTTCTGGTG
 GATACAGACGAACCTCCTCTGTGACTGCTCAATTTCTGCTCAGCCTCATGTTAATGGAGGTCCACTTTA
 TTCTCAAATTCATTTCTATTGCTCCACCCCTCCCCATGCCTCAGTTGACTCCACAGATACCTCTC
 ACAGGCTTCGTGGCCAGGGTGCAGGAAAACATTGCTGATAGTCCAACCTCCACGCCACCACCTCCACCAG
 ATGACATTCCCATGTTTGGATGACTCTCCACCTCCCCACCACCACCAGTGGATTATGAAGATGAGGA
 GGCTGCAGTAGTTCAGTATAATGATCCATATGCAGATGGGGATCCTGCTTGGGCCCCCAAGAATTATATT
 GAGAAAAGTTGTTGCAATATATGATTATACAAAAGACAAGGATGATGAGCTGTCATTTATGGAGGGTGCAA
 TCATTTATGTTATAAAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTACTGGTCTGTT
 CCCTGGGAACATGTTGAATCAATCATGCACTATACTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230150 representing NM_001178119
 Red=Cloning site Green=Tags(s)

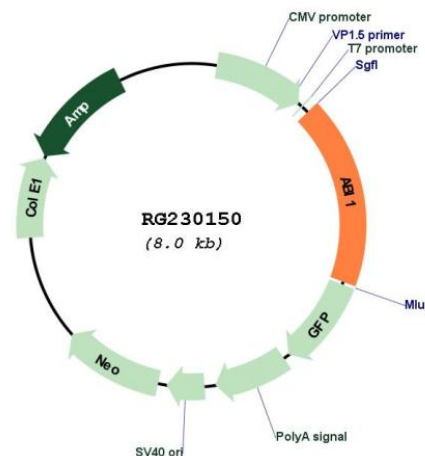
MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQATDKRKALEETKAYTTQSLASVAYQINALAN
 NVLQLLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTTNKNTSRTHKIIAPANMERPVRYIRKP
 IDYTVLDDVGHGVKWLKAKHGNQPARTGTLTRTNPTQKPPSPPMSSGRGTLGRNTPYKTLPEVKPPTVP
 NDYMTSPARLGSQHSRGRTASLNQRPRTHSGSSGSGSRENSGSSSIGIPIAVPTSPPTIGPAPGSAPG
 SQYGTMRQISRHNSTTSSTSSGGYRRTPSVTAQFSAQPHVNGGPLYSQNSISIAPPPPMPQLTPQIPL
 TGFVARVQENIADSPTPPPPPPDDIPMFDDSPPPPPPPVDYEDEEAADVQYNDPYADGDPAWAPKNYI
 EKVVAIYDYTKDKDELSEMEGAIIVYIKKNDGWYEGVCNRVTGLFPGNYVESIMHYTD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001178119

ORF Size: 1440 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_001178119.1](#), [NP_001171590.1](#)

RefSeq Size: 3641 bp

RefSeq ORF: 1443 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]