

Product datasheet for **RG230107**

SSH3BP1 (ABI1) (NM_001178120) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001178120) 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)



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ORF Nucleotide Sequence:

>RG230107 representing NM_001178120
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC
 AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACTACATACAGGCTACAGACAAGAGAAAAGCTTT
 AGAGGAGACCAAAGCCTATAACAACCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC
 AATGTAAGTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT
 CACAGACTGTGGATATTCATAAGGAGAAAGTGGCAGCAAGAGAGATTGGTATTTTGACAACAAAAGAA
 TACATCAAGAAGTACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAAACCT
 ATCGATTACAGTTCGGATGATGTGGCCATGGTGTCAAGTGGCTAAAAGCCAAGCATGGAAATAACC
 AGCCTGCAAGAAGTGGCACACTGTGAGAACAAATCCTCTACTCAGAAACCGCCAAGTCTCCCATGTC
 AGGCCGGGAACACTGGGACGGAATACTCCTTATAAAAACCTGGAACCTGTTAAACCCCAACAGTTCCT
 AATGACTATATGACCAGTCTGCTAGGCTTGGAAAGTCAAGTATGTCAGGAGGACAGCATCTTTAAATC
 AGAGACCAAGGACACACAGTGAAGTAGTGGAGGAAGTGAAGTCAAGAAACAGTGGTAGCAGTAGTAT
 TGGCATTCCCATTGCTGTGCCTACACCTTCGCCACCCACTATTGGACCAGCCCGGGCTCAGCTCCTGGT
 TCCCAGTATGGCACAATGACCAGGCAGATATCTCGACACAACCTACTACTTCTTCGACATCTTCTGGTG
 GATACAGACGAAGTCCCTCTGTGACTGCTCAATTTCTGCTCAGCCTCATGTTAATGGAGGTCCACTTTA
 TTCTCAAATTCATTTGCTGATAGTCCAACCTCCACCGCCACCCTCCACCAGATGACATTTCCATGTTT
 GATGACTCTCCACCTCCCCACCACCACCAGTGGATTATGAAGATGAGGAGGCTGCAGTAGTTCAGT
 ATAATGATCCATATGCAGATGGGGATCCTGCTTGGGCCCAAGAATTATATTGAGAAAGTGTGGCAAT
 ATATGATTATACAAAAGACAAGGATGATGAGCTGTCATTTATGGAGGGTGAATCATTATGTTATAAAG
 AAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTACTGGTCTGTTCCCTGGAACTATGTTG
 AATCAATCATGCACTATACTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230107 representing NM_001178120
 Red=Cloning site Green=Tags(s)

MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQATDKRKALEETKAYTTQSLASVAYQINALAN
 NVLQLLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTTNKNTSRTHKIIAPANMERPVRYIRKP
 IDYTVLDDVGHGKWLKAKHGNNQPARTGTL SRTNPPTQKPPSPPMSSGRGTLGRNTPYKTLPEVKPPTVP
 NDYMTSPARLGSQHSPGRTASLNQRPRTSHSGSSGSGSRENSGSSSIGIPIAVPTSPPTIGPAPGSAPG
 SQYGTMRQISRHNSTTSSTSSGGYRRTPSVTAQFSAQPHVNGGPLYSQNSIADSPTPPPPPPDDIPMF
 DDSPPPPPPVYEDDEAAVVQYNDPYADGPAWAPKNYIEKVVAIYDYTKDKDEL SFMEGAIIVVIK
 KNDDGWYEGVGNRVTGLFPGNYVESIMHYTD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001178120

ORF Size: 1353 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_001178120.1](#), [NP_001171591.1](#)

RefSeq Size: 3554 bp

RefSeq ORF: 1356 bp

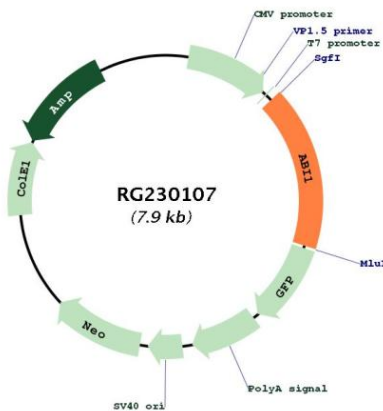
Locus ID: 10006

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 RG230107