

## Product datasheet for **RC214785**

### **SSH3BP1 (ABI1) (NM\_001012751) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001012751) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SSH3BP1
Synonyms:	ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC214785 representing NM\_001012751  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC  
 AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACACATACAGGCTACAGACAAGAGAAAAGCTTT  
 AGAGGAGACCAAAGCCTATACAACCCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC  
 AATGTAAGTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT  
 CACAGACTGTGGATATTCATAAGGAGAAAGTGGCACGAAGAGAGATTGGTATTTTGACAACAAAAGAA  
 TACATCAAGAACTCACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAACCT  
 ATCGATTACACAGTTCTGGATGATGTGGCCATGGTGTCAAGTGGCTAAAAGCCAAGCATGGAAATAACC  
 AGCCTGCAAGAAGTGGCACACTGTGAGAACAAATCCTCTACTCAGAAACCGCCAAGTCTCCCATGTC  
 AGGCCGGGAACACTGGGACGGAATACTCCTTATAAAAACCTGGAACCTGTTAAACCCCAACAGTTCTCT  
 AATGACTATATGACCAGTCTGCTAGGCTTGGAAAGTCAAGTCCAGGAGGACAGCATCTTTAAATC  
 AGAGACCAAGGACACACAGTGAAGTAGTGGAGGAAGTGAAGTGGAGAAAACAGTGGTAGCAGTAGTAT  
 TGGCATTCCCATTGCTGTGCCTACACCTTCGCCACCCACTATTGGACCAGCAGCCCCGGGCTCAGCTCCT  
 GGTTCCAGTATGGCACAATGACCAGGCAGATATCTCGACACAACCTACTACTTCTTCGACATCTTCTG  
 GTGGATACAGACGAACTCCCTCTGTGACTGCTCAATTTTCTGCTCAGCCTCATGTTAATGGAGGTCCACT  
 TTATTCTCAAAATCAATTGCTGATAGTCCAACCCACCACCACCTCCACCAGATGACATCCCATG  
 TTTGATGACTCTCACCTCCCCACCACCACCAGTGGATTATGAAGATGAGGAGGCTGCAGTAGTTC  
 AGTATAATGATCCATATGCAGATGGGGATCCTGCTTGGGCCCAAGAATTATATTGAGAAAGTTGTTGC  
 AATATATGATTATACAAAAGACAAGGATGATGAGCTGTCATTTATGGAGGGTGAATCATTATGTTATA  
 AAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTACTGGTCTGTTCCCTGGGAACATG  
 TTGAATCAATCATGCACTATACTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC214785 representing NM\_001012751  
 Red=Cloning site Green=Tags(s)

MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQATDKRKALEETKAYTTQSLASVAYQINALAN  
 NVLQLLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTNNKNTSRTHKIIAPANMERPVRYIRKP  
 IDYTVLDDVGHGVKWLKAKHGNQPARTGLSRTNPPTQKPPSPPMSSGRGTLGRNTPYKTLPEVKPPTVP  
 NDYMTSPARLGSQHSRGRTASLNQRPRTHSGSSGSGSRENSGSSSIGIPIAVPTSPPTIGPAAPGSAP  
 GSQYGTMRQISRHNSTTSSTSSGGYRRTPSVTAQFSAQPHVNGGPLYSQNSIADSPTPPPPPPDDIPM  
 FDDSPPPPPPPVDYEDEEAHVQYNDPYADGDPAWAPKNYIEKVVAIYDYTKDKDELFSMEGAIIVYI  
 KKNDGWYEGVNCNRVTGLFPGNYVESIMHYTD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8060\\_h10.zip](https://cdn.origene.com/chromatograms/mk8060_h10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001012751

**ORF Size:** 1356 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\\_001012751.2](#)

**RefSeq Size:** 3500 bp

**RefSeq ORF:** 1359 bp

**Locus ID:** 10006

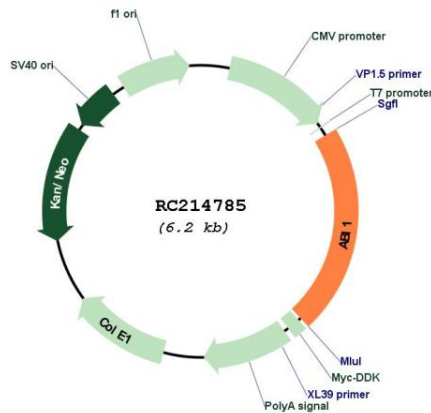
**UniProt ID:** [Q8IZP0](#)

**Cytogenetics:** 10p12.1

**MW:** 49.2 kDa

**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 RC214785