

Product datasheet for **RC201264**

SSH3BP1 (ABI1) (NM_001012752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH3BP1 (ABI1) (NM_001012752) 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:

>RC201264 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACC
 AGAACCTGACTCGGGTGGCAGACTACTGTGAAAACAACACTACATACAGGCTACAGACAAGAGAAAAGCTTT
 AGAGGAGACCAAAGCCTATAACAACCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAAC
 AATGTAAGTCCAGTTGCTGGATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTCCATCAATCATATCT
 CACAGACTGTGGATATTCATAAGGAGAAAGTGGCAGCAAGAGAGATTGGTATTTTGACAACAAAATAAGAA
 TACATCAAGAACTCACAAAATAATAGCACCTGCGAATATGGAGCGCCCTGTAAGGTATATTCGGAACCT
 ATCGATTACAGTTCTGGATGATGTGGCCATGGTGTCAAGCATGGAATAACCCAGCCTGCAAGAAGT
 GCACACTGTCGAGAACAAATCCTCCTACTCAGAAACCGCAAGTCTCCATGTCAGGCCGGGGAACACT
 GGGACGGAATACTCCTTATAAAACCTGGAACCTGTTAAACCCCAACAGTTCCTAATGACTATATGACC
 AGTCCTGTAGGCTTGGAAAGTCAGCATAGTCCAGGCAGGACAGCATCTTTAAATCAGAGACCAAGGACAC
 ACAGTGGAAAGTAGTGGAGGAAGTGGAAAGTCGAGAAAACAGTGGTAGCAGTAGTATTGGCATTCCCATTGC
 TGTGCCTACACCTTCGCCACCCACTATTGGACCAGCAGCCCCGGGCTCAGCTCCTGGTCCCAGTATGGC
 ACAATGACCAGGCAGATATCTCGACACAACCTCTACTACTTCTTCGACATCTTCTGGTGGATACAGACGAA
 CTCCCTCTGTGACTGCTCAATTTCTGCTCAGCCTCATGTTAATGGAGGTCCACTTTATTCTCAAAATTC
 AATTTCTATTGCTCCACCCCTCCCTATGCCTCAGTTGACTCCACAGATACCTCTCACAGGCTTCGTG
 GCCAGGGTGCAGGAAAACATTGCTGATAGTCCAACCTCCACCGCCACCCTCCACCAGATGACATCCCA
 TGTTTGTGACTCTCACCTCCCCACCACCAGTGGATTATGAAGATGAGGAGGCTGACGTAGT
 TCAGTATAATGATCCATATGCAGATGGGATCCTGCTTGGGCCCAAGAATTATATTGAGAAAGTTGTT
 GCAATATATGATTATACAAAAGACAAGGATGATGAGCTGTCATTTATGGAGGGTGAATCATTATGTTA
 TAAAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTGACTGGTCTGTTCCCTGGAACTA
 TGTTGAATCAATCATGCACTATACTGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201264 protein sequence
 Red=Cloning site Green=Tags(s)

MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQATDKRKALEETKAYTTQSLASVAYQINALAN
 NVLQLLDIQAQLRRMESSINHISQTVDIHKEKVARREIGILTTNKNTSRTHKIIAPANMERPVYIRKP
 IDYTVLDDVGHGKVGKHNQPARTGTLSRNPPQKPPSPMSSRGTGRNTPYKLTLEPVKPPPTVPNDYMT
 SPARLGSQHSPGRTASLNQRPRTSHSGSSGSGSRENSGSSSIGIPIAVPTSPPTIGPAAPGSAPGSQYG
 TMTRQISRHNSTTSSTSSGGYRRTPSVTAQFSAQPHVNGGPLYSQNSISIAPPPPMPQLTPQIPLTGFV
 ARVQENIADSPTPPPPPDDIPMFDDSPPPPPVDEEAAVVQYNDPYADGPAWAPKNYIEKVV
 AIYDYTKDKDELFSMEGAIYVVIKKNDDGWYEGVGNRVTLGFPNGYVESIMHYTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6429_h10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001012752

ORF Size: 1428 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_001012752.2](#)
RefSeq Size: 3629 bp

RefSeq ORF: 1431 bp

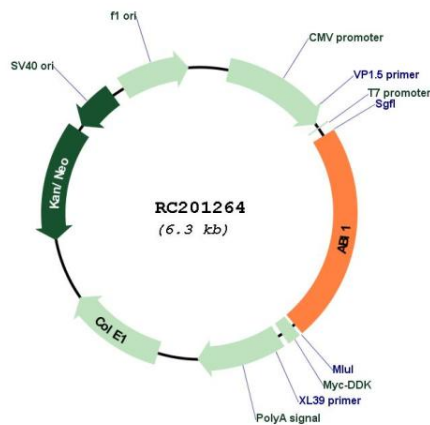
Locus ID: 10006

UniProt ID: [Q8IZP0](#)
Cytogenetics: 10p12.1

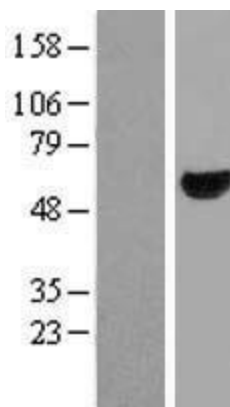
MW: 51.8 kDa

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]

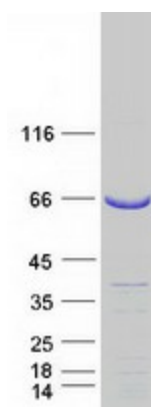
Product images:



Circular map for RC201264



Western blot validation of overexpression lysate (Cat# [LY422828]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201264 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ABI1 protein (Cat# [TP301264]). The protein was produced from HEK293T cells transfected with ABI1 cDNA clone (Cat# RC201264) using MegaTran 2.0 (Cat# [TT210002]).