

Recombinant Human ABI1 Protein, GST-Tagged

Cat. No. ABI1-085H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABI1 full-length ORF (BAG54374.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	80.3 kDa
AA Sequence	MAELQMLLEEEIPSGKRALIESYQNLTRVADYCENNYIQRHGFVLLCLLSNSWPQA TDKRKALEETKAYTTQSLASVAYQINALANNVLQLLDIQASQLRRMESSINHISQTVDI

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HKEKVARREIGILTTNKNTSRTHKIIAPANMERPVRYIRKPIDYTVLDDVGHGVKWLKA
KHGNNQPARTGTLRTPPTQKPPSPPMSSGRGTLGRNTPYKLTLEPVKPPTVPNDY
MTSPARLGSQHSPGRTASLNQRPRTSHSGSSGGSGSRENSGSSSIGIPIAVPTPSPP
TIGPENISVPPPSGAPPAPPLAPLLPVSTVIAAPGSAPGSQYGTMTQRQISRHNSTSS
TSSGGYRRTPSVTAQFSAQPHVNGGPLYSQNSIADSPTPPPPPPDDIPMFDDSP
PPPPPPVDYEDEEAADVQYNDPYAGGDPAPWAPKNYIEKVVAIYDYTKDKDDELSFM
EGAIYVIKKNDGWEYEGVCNRVTGLFPGNYVESIMHYTD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ABI1](#) [abl-interactor 1](#) [[Homo sapiens](#)]

Official Symbol

[ABI1](#)

Synonyms

ABI1; abl-interactor 1; spectrin SH3 domain binding protein 1 , SSH3BP1; abl
interactor 1; ABI 1; E3B1; Abelson interactor 1; nap1 binding protein; abl-binding
protein 4; interactor protein AblBP4; Abl-interactor protein 1 long; eps8 SH3 domain-
binding protein; spectrin SH3 domain-binding protein 1; ABI-1; ABLBP4; NAP1BP;
SSH3BP; SSH3BP1;

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Gene ID	10006
mRNA Refseq	NM_001012750
Protein Refseq	NP_001012768
MIM	603050
UniProt ID	Q8IZP0

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