

Recombinant Full Length Human ABI1 Protein, GST-tagged

Cat. No. ABI1-890HF **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	In Vitro Cell Free System
ProteinLength	496 amino acids
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	MAELQMLLEE EIPSGKRALI ESYQNLTRVA DYCENNYIQR HGFAVLLCLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SNSWPQATDK RKALEETKAY TTQSLASVAY QINALANNVL QLLDIQASQL
 RRMESSINHI SQTVDIHKEK VARREIGILT TNKNTSRTHK IIAPANMERP
 VRYIRKPIDY TVLDDVGHGV KWLKAKHGNN QPARTGTLSR TNPPTQKPPS
 PPMSGRGTLG RNTPYKTLEP VKPPTVPNDY MTSPARLGSQ HSPGRTASLN
 QRPRT HSGSS GGSGSRENSG SSSIGIPIAV PTPSPPTIGP ENISVPPPSG
 APPAPPLAPL LPVSTVIAAP GSAPGSQYGT MTRQISRHNS TTSSTSSGGY
 RRTPSVTAQF SAQPHVNGGP LYSQNSIADS PTPPPPPPPD DIPMFDDSP
 PPPPPVDYE DEEAADVQYN DPYAGGDP AW APKNYIEKVV AIYDYTKDKD
 DELSFMEGAI IYVIKKNDG WYEGVCNRVT GLFPGNYVES IMHYTD

Applications

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

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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