

Recombinant Human ABI1 protein, His & T7-tagged

Cat. No. ABI1-1704H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABI1 aa. (Met1~Pro182 (Accession # Q8IZP0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Pro182
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3kDa

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.5

GENE INFORMATION

Gene Name	ABI1 abl interactor 1 [Homo sapiens (human)]
Official Symbol	ABI1
Synonyms	ABI1; abl interactor 1; E3B1; ABI-1; ABLBP4; NAP1BP; SSH3BP; SSH3BP1; Abelson interactor 1; Abl-interactor protein 1 long; abl-binding protein 4; eps8 SH3 domain-binding protein; interactor protein AblBP4; nap1 binding protein; spectrin SH3 domain-binding protein 1

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Gene ID	10006
mRNA Refseq	NM_001012750.2
Protein Refseq	NP_001012768.1
UniProt ID	Q8IZP0

SDS-PAGE
