Recombinant Human ABI1, GST-tagged

Cat. No. ABI1-9246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABI1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	N-term-304a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.

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Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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;
Gene ID	10006
mRNA Refseq	NM_001012750
Protein Refseq	NP_001012768
MIM	603050
UniProt ID	Q8IZP0
Chromosome Location	10p12.1
Pathway	E-cadherin signaling in the nascent adherens junction, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific

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	biosystem; Regulation of RAC1 activity, organism-specific biosystem; Stabilization and expansion of the E-cadherin adherens junction, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	cytoskeletal protein binding; protein binding; protein tyrosine kinase activator activity;

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