

Recombinant Mouse Abi1 Protein, MYC/DDK-tagged

Cat. No. Abi1-501M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse abl-interactor 1 (Abi1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. In vitro, at least isoform 2 and isoform 4 suppress the transforming activity of Abelson murine leukemia virus (v-Abl) after overexpression in fibroblasts. May play a role in regulation EGF-induced Erk pathway activation. Involved in cytoskeletal reorganization and EGFR signaling. Together with EPS8 participates in transduction of signals from Ras to Rac. In vitro, a trimeric complex of ABI1, EPS8 and SOS1 exhibits Rac specific guanine nucleotide exchange factor (GEF) activity and ABI1 seems to act as an adapter in the complex. Regulates ABL1/c-Abl-mediated phosphorylation of ENAH. Recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level. In brain, seems to regulate the dendritic outgrowth and branching as well as to determine the shape and number of synaptic contacts of developing neurons.
Molecular Mass	51.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Abi1](#) [abl-interactor 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Abi1](#)

Synonyms [Abi1](#); [abl-interactor 1](#); [E3B1](#); [NAP1](#); [abi-1](#); [Ssh3bp1](#); [abl interactor 1](#); [abelson interactor 1](#); [ablphilin-1](#); [eps8 SH3 domain-binding protein](#); [eps8 binding protein](#); [spectrin SH3 domain binding protein 1](#)

Gene ID [11308](#)

mRNA Refseq [NM_007380](#)

Protein Refseq [NP_031406](#)

UniProt ID [Q8CBW3](#)

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