

# Recombinant Human ABI1 293 Cell Lysate

**Cat. No.** ABI1-9129HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for abl-interactor 1 (ABI1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.                                                                                                      |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.                                                                                                                                                                                                                                                                   |

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**Applications**

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

**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\\_005470](#)

**Protein Refseq** [NP\\_005461](#)

**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

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signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific 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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