Active Recombinant Human ABL2, His-tagged

Cat. No. CABLES2-1362H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABL2 (38-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
ProteinLength	38 aa-end
Description	ABL2 (or ARG) is a nonreceptor cytoplasmic tyrosine kinase which is closely related to but distinct from ABL1. The similarity of ABL1 and ABL2 includes the tyrosine kinase domains and extends amino-terminal to include the SH2 and SH3 domains. ABL2 is involved in translocation with the ETV6 gene in human leukemia and has an altered expression in several human carcinomas. Two isoforms of ABL2 with different N-termini (1A and 1B) have been identified. The C-terminal domain of ABL2 contains two F-actin-binding sequences that perform a number of actions related to cell morphology and motility by interacting with actin filaments.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Bio-activity	1218 nmol/min/mg
Molecular Mass	~132 kDa

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Purity	>70%
Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	CABLES2 Cdk5 and Abl enzyme substrate 2 [Homo sapiens]
Official Symbol	CABLES2
Synonyms	CABLES2; Cdk5 and Abl enzyme substrate 2; C20orf150, chromosome 20 open reading frame 150; CDK5 and ABL1 enzyme substrate 2; dJ908M14.2; ik3 2; interactor with CDK3 2; ik3-2; C20orf150;
Gene ID	81928
mRNA Refseq	NM_031215
Protein Refseq	NP_112492
UniProt ID	Q9BTV7
Chromosome Location	20q13.33
Pathway	Factors involved in megakaryocyte development and platelet production, organism-

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	specific biosystem; Hemostasis, organism-specific biosystem;
Function	cyclin-dependent protein kinase regulator activity;

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