Active Recombinant Human ABL1, GST-tagged

Cat. No. CABLES1-1361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABL1 (G250E) (27-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	27 aa-end
Description	ABL1protooncogene encodes a cytoplasmic and nuclear protein tyrosine kinase that has been implicated in processes of cell differentiation, cell division, cell adhesion, and stress response. Activity of ABL protein is negatively regulated by its SH3 domain and deletion of the SH3 domain turns ABL1 into an oncogene. Translocation and head-to-tail fusion of the BCR and ABL1 genes is present in many cases of chronic myelogeneous leukemia. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDK1-mediated phosphorylation, suggesting a cell cycle function for ABL1.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	6 nmol/min/mg
Molecular Mass	~160 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	CABLES1 Cdk5 and Abl enzyme substrate 1 [Homo sapiens]
Official Symbol	CABLES1
Synonyms	CABLES1; Cdk5 and Abl enzyme substrate 1; CDK5 and ABL1 enzyme substrate 1; FLJ35924; HsT2563; interactor with CDK3 1; CABL1; IK3-1; CABLES;
Gene ID	91768
mRNA Refseq	NM_001100619
Protein Refseq	NP_001094089
MIM	609194
UniProt ID	Q8TDN4
Chromosome Location	18q11.2
Pathway	Factors involved in megakaryocyte development and platelet production, organism-

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA