

Recombinant Human ABL1/c-Abl Kinase

Catalog No.: RP03368LQ

Sequence Information

Species **Gene ID**
Human 25

Swiss Prot **Tags**
P00519 No tag

Synonyms

ABL1; ABL; c-Abl; JTK7; Abelson tyrosine-protein kinase 1; Proto-oncogene c-Abl; p150

Product Information

Source **Purification**
Baculovirus-Insect Cells ≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Calculated MW **Observed MW**
120.2 kDa 100-120 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 20 mM Tris-HCl, 5% glycerol, 200 mM NaCl. (pH 8.0). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Background

Tyrosine-protein kinase ABL1 also known as ABL1 is a protein that, in humans, is encoded by the ABL1 gene (previous symbol ABL). c-Abl is sometimes used to refer to the version of the gene found within the mammalian genome, while v-Abl refers to the viral gene, which was initially isolated from the Abelson murine leukemia virus. Activity of ABL1 protein is negatively regulated by its SH3 domain, and deletion of the SH3 domain turns ABL1 into an oncogene. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function for ABL1. Mutations in the ABL1 gene are associated with chronic myelogenous leukemia (CML). In CML, the gene is activated by being translocated within the BCR (breakpoint cluster region) gene.

Basic Information

Description

Recombinant Human ABL1/c-Abl Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Glu27-Arg1130) of Human ABL1 (Accession #P00519) fused with No tag.

Activity

The activity of ABL is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

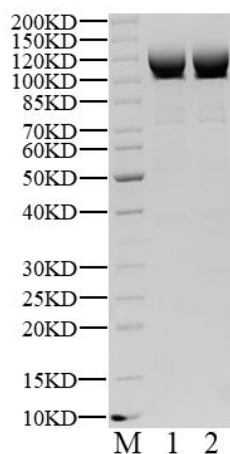
Contact

☎ | 400-999-6126

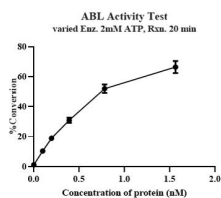
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Validation Data



Recombinant Human ABL1/c-Abl Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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