

# Native Human C-abl Oncogene 1, Receptor Tyrosine Kinase

Cat. No. ABL1-618H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Native Human ABL1 is expressed in human plasma.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	Human ABL1 synthetic peptide can be used as a substrate for Abl kinase in in vitro kinase assays. It is phosphorylated by Abl kinase with a $K_m$ of 4 $\mu$ M. ABL1 is a plasma membrane-associated non-receptor tyrosine kinase with transforming activity which requires its tyrosine kinase activity.
<b>Form</b>	Lyophilized
<b>Molecular Weight</b>	1.337 g/mol
<b>Purity</b>	90-95% as determined by HPLC analysis
<b>Reconstitution</b>	Centrifuge vial prior to opening. Reconstitute with sterile distilled water.
<b>Storage</b>	Stable for 1 year at -20°C. Avoid repeated freeze-thaw cycles.
<b>Official Symbol</b>	ABL1

## GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	<a href="#">ABL1 c-abl oncogene 1,non-receptor tyrosine kinase [ Homo sapiens ]</a>
<b>Synonyms</b>	ABL1; c-abl oncogene 1,receptor tyrosine kinase; ABL; JTK7; p150; c-ABL; v-abl; bcr/abl; bcr/c-abloncogene protein; proto-oncogene tyrosine-protein kinase ABL1; v-abl Abelsonmurine leukemia viral oncogene homolog 1; EC 2.7.10.2; Abelson murineleukemia viral oncogene homolog 1; OTTHUMP00000022375; OTTHUMP00000022376
<b>Gene ID</b>	<a href="#">25</a>
<b>mRNA Refseq</b>	<a href="#">NM_005157</a>
<b>Protein Refseq</b>	<a href="#">NP_005148</a>
<b>MIM</b>	<a href="#">189980</a>
<b>UniProt ID</b>	<a href="#">P00519</a>
<b>Chromosome Location</b>	9q34.1
<b>Pathway</b>	Axon guidance; Cell cycle;Chronic myeloid leukemia; ErbB signaling pathway; Neurotrophin signalingpathway; Pathogenic Escherichia coli infection; Pathways in cancer; T CellReceptor Signaling Pathway; TP53 network; Viral myocarditis; miRNAs involvedin DDR; p53 pathway; Role of Abl in Robo-Slit signaling; Shigellosis
<b>Function</b>	ATP binding; DNA binding;magnesium ion binding; manganese ion binding; non-membrane spanning protein tyrosinekinase activity; nucleotide binding; protein C-terminus binding; transferaseactivity
<b>PDBrendering based</b>	

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



on 1ab2.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA