

# Recombinant Human abl oncogene 1, non-receptor tyrosine kinase Protein, His&Flag tagged

**Cat. No.** ABL1-110H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human ABL1/JTK7/p150 protein (P00519) (Ala 611-Lys 947) with both His, Flag tag at the C-terminus was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	611-947aa
<b>Description</b>	Non-receptor tyrosine-protein kinase that plays a role in many key processes linked to cell growth and survival such as cytoskeleton remodeling in response to extracellular stimuli, cell motility and adhesion, receptor endocytosis, autophagy, DNA damage response and apoptosis. Coordinates actin remodeling through tyrosine phosphorylation of proteins controlling cytoskeleton dynamics like WASF3 (involved in branch formation); ANXA1 (involved in membrane anchoring); DBN1, DBNL, CTTN, RAPH1 and ENAH (involved in signaling); or MAPT and PXN (microtubule-binding proteins). Phosphorylation of WASF3 is critical for the stimulation of lamellipodia formation and cell migration. Involved in the regulation of cell adhesion and motility through phosphorylation of key regulators of these processes such as BCAR1, CRK, CRKL, DOK1, EFS or NEDD9.
<b>Tag</b>	C-His&Flag
<b>Molecular Mass</b>	37.4 kDa

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<b>Endotoxin</b>	Less than 1.0 EU/μg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution</b>	Reconstitute at 250 μg/mL in sterile water.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ABL1 c-abl oncogene 1, non-receptor tyrosine kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ABL1</a>
<b>Synonyms</b>	ABL1; c-abl oncogene 1, non-receptor tyrosine kinase; ABL, c abl oncogene 1, receptor tyrosine kinase, v abl Abelson murine leukemia viral oncogene homolog 1; tyrosine-protein kinase ABL1; c ABL; JTK7; p150; proto-oncogene c-Abl; bcr/c-abl oncogene protein; Abelson tyrosine-protein kinase 1; c-abl oncogene 1, receptor tyrosine kinase; proto-oncogene tyrosine-protein kinase ABL1; v-abl Abelson murine leukemia viral oncogene homolog 1; ABL; c-ABL; v-abl; bcr/abl;
<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>

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MIM 189980

UniProt ID P00519

Protein on SDS-PAGE under reducing (R) condition.



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