

## Active Recombinant Human ABL2, His-tagged

**Cat. No.** ABL2-233H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ABL2 (38-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	38-end a.a.
<b>Description</b>	<p>This gene encodes a member of the Abelson family of nonreceptor tyrosine protein kinases. The protein is highly similar to the c-abl oncogene 1 protein, including the tyrosine kinase, SH2 and SH3 domains, and it plays a role in cytoskeletal rearrangements through its C-terminal F-actin- and microtubule-binding sequences. This gene is expressed in both normal and tumor cells, and is involved in translocation with the ets variant 6 gene in leukemia. Multiple alternatively spliced transcript variants encoding different protein isoforms have been found for this gene.</p>
<b>Form</b>	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
<b>Bio-activity</b>	1218 nmol/min/mg
<b>Molecular Mass</b>	~132 kDa
<b>AA Sequence</b>	38-end

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<b>Purity</b>	>70%
<b>Applications</b>	Kinase Assay, Western Blot
<b>Stability</b>	1 yr at -70°C from date of shipment.
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.1 ug/ul
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ABL2 ABL proto-oncogene 2, non-receptor tyrosine kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ABL2
<b>Synonyms</b>	ABL2; v-abl Abelson murine leukemia viral oncogene homolog 2; Abelson murine leukemia viral (v-abl) oncogene homolog 2; OTTHUMP00000033140; OTTHUMP00000218106; abelson murine leukemia viral oncogene homolog 2; abelson-related gene protein; arg tyrosine kinase; tyrosine-protein kinase ABL2; tyrosine-protein kinase ARG; v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene); ARG; ABLL; FLJ22224; FLJ31718; FLJ41441; ABL2; EC 2.7.10.2
<b>Gene ID</b>	<a href="#">27</a>
<b>mRNA Refseq</b>	<a href="#">NM_005158</a>
<b>Protein Refseq</b>	<a href="#">NP_005149</a>

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<b>MIM</b>	164690
<b>UniProt ID</b>	P42684
<b>Chromosome Location</b>	1q25.2
<b>Pathway</b>	Developmental Biology; ErbB signaling pathway; Role of Abl in Robo-Slit signaling
<b>Function</b>	ATP binding; magnesium ion binding; non-membrane spanning protein tyrosine kinase activity; protein binding

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