

Active Recombinant Human ABL2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human ABL2 (38-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
ProteinLength	38-end a.a.
Description	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.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Bio-activity	1218 nmol/min/mg
Molecular Mass	~132 kDa
AA Sequence	38-end

 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
Stability	1 yr at -70°C from date of shipment.
Storage	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.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	ABL2 ABL proto-oncogene 2, non-receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	ABL2
Synonyms	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
Gene ID	27
mRNA Refseq	NM_005158
Protein Refseq	NP_005149

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

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