

Recombinant Mouse ABL1, His-tagged, Active

Cat. No. Abl1-232M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse ABL1 (27-end) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal His tag. MW=135 kDa.
Species	Mouse
Source	Sf9 Cells
ProteinLength	27-end a.a.
Description	ABL1 protooncogene encodes a cytoplasmic and nuclear protein tyrosine kinase that has been implicated in processes of cell differentiation, cell division, cell adhesion, and stress response. Activity of ABL protein is negatively regulated by its SH3 domain and deletion of the SH3 domain turns ABL1 into an oncogene. Translocation and head-to-tail fusion of the BCR and ABL1 genes is present in many cases of chronic myelogenous leukemia. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDK1-mediated phosphorylation, suggesting a cell cycle function for ABL1.
Applications	Kinase Assay, Western Blot.
Stability	Store product at –70oC. 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.

GENE INFORMATION

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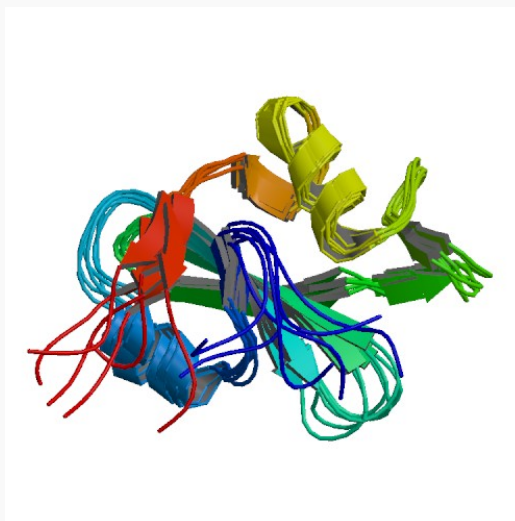
Gene Name	Abl1 c-abl oncogene 1, receptor tyrosine kinase [Mus musculus]
Synonyms	Abl1; c-abl oncogene 1, receptor tyrosine kinase; Abl; c-Abl; AI325092; MGC117749; E430008G22Rik
Gene ID	11350
mRNA Refseq	NM_001112703
Protein Refseq	NP_001106174
UniProt ID	P00520
Chromosome Location	2 21.0 cM
Pathway	Axon guidance; Cell cycle; Chronic myeloid leukemia; ErbB signaling pathway; Neurotrophin signaling pathway; Pathways in cancer
Function	ATP binding; magnesium ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein domain specific binding; protein kinase activity; protein tyrosine kinase activity; transferase activity

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PDB rendering based
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