

Native Human C-abl Oncogene 1, Receptor Tyrosine Kinase

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

SPECIFICATION

Product Overview	Native Human ABL1 is expressed in human plasma.
Species	Human
Source	Human Plasma
Description	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 μ M. ABL1 is a plasma membrane-associated non-receptor tyrosine kinase with transforming activity which requires its tyrosine kinase activity.
Form	Lyophilized
Molecular Weight	1.337 g/mol
Purity	90-95% as determined by HPLC analysis
Reconstitution	Centrifuge vial prior to opening. Reconstitute with sterile distilled water.
Storage	Stable for 1 year at -20°C. Avoid repeated freeze-thaw cycles.
Official Symbol	ABL1

GENE INFORMATION

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

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