

# Recombinant Human ABL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ABL2-5208H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

ABL2 MS Standard C13 and N15-labeled recombinant protein (NP\_005149) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

126.5 kDa

### AA Sequence

MVLGTVLLPPNSYGRDQDTS LCCLCTEASESALPDLTDHFASCVEDGFEGDKTGGS  
 SPEALHRPYGCDVEPQALNEAIRWSSKENLLGATESDPNLFVALYDFVASGDNTLSI  
 TKGEKLRVLGYNQNGEWSEVRSKNGQGWWPSNYITPVNSLEKHSWYHGPVSRSA  
 AEYLLSSLINGSFLVRESESSPGQLSISLRYEGRVYHYRINTTADGKVYVTAESRFST  
 LAELVHHHSTVADGLVTTLHYAPKCNKPTVYGVSPIHDKWEMERTDITMKHKLGG  
 GQYGEVYVGWKKYSLTVAVKTLKEDTMEVEEFLKEAAVMKEIKHPNLVQLLGVCT

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LEPPFYIVTEYMPYGNLLDYLRECNREEVTAVVLLYMATQISSAMEYLEKKNFIHRDL  
 AARNCLVGENHVVKVADFGLSRLMTGDTYTAHAGAKFPIKWTAPESLAYNTFSIKSD  
 VWAFGVLLWEIATYGMSPYPGIDLSQVYDLLEKGYRMEQPEGCPPKVYELMRACW  
 KWSPADRPSFAETHQAFETMFHDSSISEEVAEELGRAASSSSVVPYLPRLPILPSKT  
 RTLKKQVENKENIEGAQDATENSASSLAPGFIRGAQASSGSPALPRKQRDKSPSSLL  
 EDAKETCFTRDRKGGFFSSFMKKRNAPTPPKRSSSFREMENQPHKKYELTGNFSS  
 VASLQHADGFSFPTAQQEANLVPPKCYGGSFAQRNLCNDDGGGGGGSGTAGGG  
 WSGITGFFTPRLIKKTLGLRAGKPTASDDTSKPFPRSNSTSSMSSGLPEQDRMAMTL  
 PRNCQRSKLQLERTVSTSSQPEENVDRANDMLPKKSEESAAPSRERP KAKLLPRGA  
 TALPLRTPSGDLAITEKDPPGVGVAGVAAAPKKGKEKNGGARLGMAGVPEDGEQPG  
 WPSPAKAAPVLP TTHNHKVPVLISPTLKHTPADVQLIGTDSQGNKFKLLSEHQVTSS  
 GDKDRPRRVKPKCAPPPPPVMRLLQHPSICSDPTEEPTALTAGQSTSETQEGGKKA  
 ALGAVPISGKAGRPVMPPPQVPLPTSSISPAKMANGTAGTKVALRKTQAAEKISAD  
 KISKEALLECADLLSSALTEPVPNSQLVDTGHQLLDYCSGYVDCIPQTRNKFAFREAV  
 SKLELSLQELQVSSAAAGVPGTNPVLNLLSCVQEISDVVQRTRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

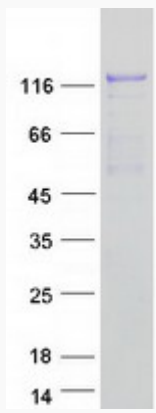
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<b>Gene Name</b>	ABL2 v-abl Abelson murine leukemia viral oncogene homolog 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ABL2
<b>Synonyms</b>	ABL2; v-abl Abelson murine leukemia viral oncogene homolog 2; ABLL, v abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson related gene); Abelson tyrosine-protein kinase 2; Abelson related gene; ARG; tyrosine-protein kinase ARG; abelson-related gene protein; ABLL;
<b>Gene ID</b>	27
<b>mRNA Refseq</b>	NM_005158
<b>Protein Refseq</b>	NP_005149
<b>MIM</b>	164690
<b>UniProt ID</b>	P42684

**SDS-PAGE**



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