

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 TKGEKLRVLGYNQNGEWSEVRSKNGQGWPVSNYITPVNSLEKHSWYHGPVSRSA AEYLLSSLINGSFLVRESESSPGQLSISLRYEGRVYHYRINTTADGKVYVTAESRFST LAELVHHHSTVADGLVTTLHYPAKCNKPTVYGVSPHDKWEMERTDITMKHKLGG GQYGEVYVGWKKYSLTVAVKTLKEDTMEVEEFLKEAAVMKEIKHPNLVQLLGVCT

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LEPPFYIVTEYMPYGNLLDYLRECNREEVTAVVLLYMATQISSAMEYLEKKNFIHRDL
 AARNCLVGENHVVKVADFGLSRLMTGDTYTAHAGAKFPIKWTAPESLAYNTFSIKSD
 VWAFGVLLWEIATYGMSPYPGIDLSQVYDLLEKGYRMEQPEGCPPKVYELMRACW
 KWSPADRPSFAETHQAFETMFHDSSISEEVAEELGRAASSSSVVPYLPRLPILPSKT
 RTLKKQVENKENIEGAQDATENSASSLAPGFIRGAQASSGSPALPRKQRDKSPSSLL
 EDAKETCFTRDRKGGFFSSFMKKRNAPTPPKRSSSFREMENQPHKKYELTGNFSS
 VASLQHADGFSFPTAQQEANLVPPKCYGGSFAQRNLCNDDGGGGGGSGTAGGG
 WSGITGFFTPLIKKTLGLRAGKPTASDDTSKPFPRSNSTSSMSSGLPEQDRMAMTL
 PRNCQRSKLQLERTVSTSSQPEENVDRANDMLPKKSEESAAPSRERPKAKLLPRGA
 TALPLRTPSGDLAITEKDPPGVGVAGVAAAPKKGKEKNGGARLGMAGVPEDGEQPG
 WPSPAKAAPVLPTTHNHKVPVLISPTLKHTPADVQLIGTDSQGNKFKLLSEHQVTSS
 GDKDRPRRVKPKCAPPPPPVMRLQHPSCSDPTEEPTALTAGQSTSETQEGGKKA
 ALGAVPISGKAGRPVMPPPQVPLPTSSISPAKMANGTAGTKVALRKTQAAEKISAD
 KISKEALLECADLLSSALTEPVPNSQLVDTGHQLLDYCSGYVDCIPQTRNKFAFREAV
 SKLELSLQELQVSSAAAGVPGTNPVLNNLLSCVQEISDVVQRTTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

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

GENE INFORMATION

Gene Name	ABL2 v-abl Abelson murine leukemia viral oncogene homolog 2 [Homo sapiens (human)]
Official Symbol	ABL2
Synonyms	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;
Gene ID	27
mRNA Refseq	NM_005158
Protein Refseq	NP_005149
MIM	164690
UniProt ID	P42684
SDS-PAGE	