

Recombinant Human CBLB Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CBLB-036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CBLB MS Standard C13 and N15-labeled recombinant protein (NP_733762) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an E3 ubiquitin-protein ligase which promotes proteasome-mediated protein degradation by transferring ubiquitin from an E2 ubiquitin-conjugating enzyme to a substrate. The encoded protein is involved in the regulation of immune response by limiting T-cell receptor, B-cell receptor, and high affinity immunoglobulin epsilon receptor activation. Studies in mouse suggest that this gene is involved in antifungal host defense and that its inhibition leads to increased fungal killing. Manipulation of this gene may be beneficial in implementing immunotherapies for a variety of conditions, including cancer, autoimmune diseases, allergies, and infections.
Molecular Mass	109.4 kDa
AA Sequence	MANSMNGRNPGGRRGGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDK VVRLCQNPQLQLKNSPPYILDILPDTYQHRLRLILSKYDDNQKLAQLSENEYFKIYIDSL MKKSKRAIRLFKEGKERMYEEQSQDRRNLTKLSLIFSHMLAEIKAIFPNGQFQGDNF RITKADAAEFWRKFFGDKTIVPWKVFRQCLHEVHQISSGLEAMALKSTIDLTCNDYIS

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VFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKPGSYIFRL
 SCTRLGQWAIGYVTGDGNILQTIPHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGL
 CEPTPHDHIKVTQEYELYCEMGSTFQLCKICAENDKDKVIEPCGHLMCTSLTAW
 QESDGQGCPCRCCEIKGTEPIIVDPFDRDEGSRCCSIIIDPFGMPMLDLDDDDDDREE
 SLMMNRLANVRKCTDRQNSPVTSPGSSPLAQRKPKQPDPLQIPHLSLPPVPPRLDLI
 QKGIVRSPCGSPTGSPKSSPCMVVKQDKPLPAPPPPLRDP PPPPPPERPPPPIPPDNR
 LSRHIIHVESVPSKDPPMPLEAWCPRDVFGTNQLVGCROLLGEGSPKPGITASSNVN
 GRHSRVGSDPVLMRKHRRHDLPLEGAKVFSNGHLGSEEYDVPRLSPPPPVTLLP
 SIKCTGPLANSLSEKTRDPVEEDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRSCDN
 GHCMLNGTHGPSSEKKSNIPLDSIYLKGDVFDSASDPVPLPPARPPTRDNPKHGSSL
 NRTPSDYDLLIPPLGEDAFDALPPSLPPPPPPARHSLIEHSKPPGSSSRPSSGQDLFL
 LPSPDFVDLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQAPARPPKP
 RPRRTAPEIHHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALEIAQNNVEVARSI
 LREFAFPPPVSRLNLSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	CBLB Cbl proto-oncogene B [Homo sapiens (human)]
Official Symbol	CBLB

Synonyms

CBLB; Cbl proto-oncogene B; Cbl-b; Nbla00127; RNF56; E3 ubiquitin-protein ligase CBL-B; Cas-Br-M (murine) ecotropic retroviral transforming sequence b; Cbl proto-oncogene B, E3 ubiquitin protein ligase; Cbl proto-oncogene, E3 ubiquitin protein ligase B; RING finger protein 56; RING-type E3 ubiquitin transferase CBL-B; SH3-binding protein CBL-B; casitas B-lineage lymphoma proto-oncogene b; signal transduction protein CBL-B; EC 2.3.2.27

Gene ID

868

mRNA Refseq

NM_170662

Protein Refseq

NP_733762

MIM

604491

UniProt ID

Q13191

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