

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	MANSMNGRNPGGRGGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDK VVRLCQNPKLQLKNSPPYILDILPDITYQHLRLILSKYDDNQKLAQLSENEYFKIYIDSL MKKSKRAIRLFKEGKERMYEEQSQDRRNLTKLSLIFSHMLAEIKAIFPNGQFQGDNF RITKADAAEFWRKFFGDKTIVPWKVFRQCLHEVHQISSGLEAMALKSTIDLTCDNYIS

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VFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKPGSYIFRL
 SCTRLGQWAIGYVTGDGNILQTIPHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGL
 CEPTPHDHIKVTQEYELYCEMGSTFQLCKICAENDKDKVIEPCGHLMTSCLTAW
 QESDGQGCPFCRCEIKGTEPIIVDPFDRDEGSRCCSIIDPFGMPMLDLDDDDDDREE
 SLMMNRLANVRKCTDRQNSPVTSPGSSPLAQRRKPQPDPLQIPHLSPVPVPRDLI
 QKGIVRSPCGSPTGSPKSSPCMVVRKQDKPLAPPPPLRDP PPPPPPERPPPIPPDNR
 LSRHHHVESVPSKDPPMPLEAWCPRDVFGTNQLVGCRLLGEGSPKPGITASSNVN
 GRHSRVGSDPVLMRKHRRHDLPLEGAKVFSNGHLGSEEDYVPPRLSPPPPVTTLTP
 SIKCTGPLANSLSEKTRDPVEEDDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRSCDN
 GHCMNGTHGPSSEKKSNIPLDLIYKGDVFDSDASDPVPLPPARPPTRDNPKHGSSL
 NRTPSDYDLLIPPLGEDAFDALPPSLPPPPPPARHSLIEHSKPPGSSSRPSSGQDLFL
 LPSPDFVDLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQAPARPPKP
 RPRRTAPEIHHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALEIAQNNVEVARSI
 LREFAFPPPVSPRLNLGPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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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

SDS-PAGE


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