

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CBLB MS Standard C13 and N15-labeled recombinant protein (NP_733762) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 109.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MANSMNGRNPGGRGGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDK<br>VVRLCQNPKLQLKNSPPYILDILPDITYQHLRLILSKYDDNQKLAQLSENEYFKIYIDSL<br>MKKSKRAIRLFKEGKERMYEEQSQDRRNLTKLSLIFSHMLAEIKAIFPNGQFQGDNF<br>RITKADAAEFWRKFFGDKTIVPWKVFRQCLHEVHQISSGLEAMALKSTIDLTCDNYIS                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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VFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKPGSYIFRL  
 SCTRLGQWAIGYVTGDGNILQTIPHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGL  
 CEPTPHDHIKVTQEYELYCEMGSTFQLCKICAENDKDKVIEPCGHLMCTSCLTAW  
 QESDGQGCPFCRCEIKGTEPIIVDPFDRDEGSRCCSIIDPFGMPMLDLDDDDDDREE  
 SLMMNRLANVRKCTDRQNSPVTSPGSSPLAQRRKPQPDPLQIPHLSPVPVPRDLI  
 QKGIVRSPCGSPTGSPKSSPCMVVRKQDKPLPAPPPPLRDP PPPPPPERPPPIPPDNR  
 LSRHIIHVESVPSKDPPMPLEAWCPRDVFGTNQLVGCRLLEGESPKPGITASSNVN  
 GRHSRVGSDPVLMRKHRRHDLPLEGAKVFSNGHLGSEEDYVPPRLSPPPPVTTLTP  
 SIKCTGPLANSLSEKTRDPVEEDDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRSCDN  
 GHCM LN GTHGPSSEKKSNI PDLSIY LKGDVFD S ASDPVPLPPARPPTRDNPKHGSSL  
 NRTPSDYDLLIPPLGEDAFDALPPSLPPPPPPARHSLIEHSKPPGSSSRPSSGQDLFL  
 LPSPDFVDLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQAPARPPKP  
 RPRRTAPEIHHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALEIAQNNVEVARSI  
 LREFAFPPPVSPRLNLSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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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