

# Recombinant Human CBLB, GST-tagged

**Cat. No.** CBLB-578H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human CBLB(1 a.a. - 982 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-982 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | CBL-B is an E3 ubiquitin-protein ligase that in humans is encoded by the CBLB gene.[1][2] CBLB is a member of the CBL gene family.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 135.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>MANSMNGRNPGGRGGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMKD<br/> VVRLCQNPKLQLKNSPPYIL DILPDYQHLRLILSKYDDNQKLAQLSENEYFKIYIDSL<br/> MKKSKRAIRLFKEGKERMYEEQSQDRRNLTKLSLIF SHMLAEIKAIFPNGQFQGDNF<br/> RITKADAAEFWRKFFGDKTIVPWKVFRQCLHEVHQISSGLEAMALKSTIDLTCN DYIS<br/> VFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKPGSYIFRL<br/> SCTRLGQWAIGYV TGDGNILQTIPHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGL<br/> CEPTPHDHIKVTQEYELYCEMGSTFQLCKI CAENDKDVKIEPCGHLMCTSLTAW<br/> QESDGQGCPFCRCEIKGTEPIIVDPFDPDEGSRCCSIIDPFGMPMLDLD DDDRE<br/> ESLMMNRLANVRKCTDRQNSPVTSPGSSPLAQRRKPQPDPLQIPHLSPVPPRLD</p> |

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LIQKGIVRSPCGS PTGSPKSSPCMVRKQDKPLPAPPPPLRDPPPPPPPERPPPIPPDN  
 RLSRHHHVESVPSKDPPMPLEAWCPRDVFG TNQLVGCRLLGEGSPKPGITASSNV  
 NGRHSRVGSDPVLMRKHRRHDLPLEGAKVFSNGHLGSEEYDVPPRLSPPP PVTTL  
 LPSIKCTGPLANSLSSEKTRDPVEEDDDDEYKIPSSHVPVSLNSQPSHCHNVKPPVRSCD  
 NGHCM LN GTHGPS SEKKSNIPDLSIYLKGDVFDSASDPVPLPPARPPTRDNP KHGS  
 SLNRTPSDYDLLIPPLGEDAFDALPPSLPPPP PPARHSLIEHSPKPPGSSSRPSSGQD  
 LFLPSDPFVDLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQ APARP  
 PKPRPRRTAPEIHRKPHGPEAALENVD AKIAKLMGEGYAFEEVKRALEIAQNNVEV  
 ARSILREFAFPPP VSPRLNL

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

CBLB Cbl proto-oncogene B, E3 ubiquitin protein ligase [ Homo sapiens ]

**Official Symbol**

CBLB

**Synonyms**

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

**Gene ID**

868

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | NM_170662                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_733762                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 604491                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q13191                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 3q13.11                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Antigen activates B Cell Receptor (BCR) leading to generation of second messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem |
| <b>Function</b>            | calcium ion binding; ligase activity; phosphotyrosine binding                                                                                                                                                                        |

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