

## Active Recombinant Human CBLB Protein

Cat. No. CBLB-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CBLB Protein without tag was expressed in <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus).
<b>Species</b>	Human
<b>Source</b>	Insect cells
<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>Bio-activity</b>	Typical concentration to support in vitro applications will depend on experimental design.
<b>Molecular Mass</b>	110 kDa
<b>Purity</b>	> 90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

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<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 48 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
<b>Storage Buffer</b>	X mg/mL (X μM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 2 mM DTT
<b>Shipping</b>	The product is shipped with dry ice or equivalent.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CBLB Cbl proto-oncogene B [ Homo sapiens (human) ]
<b>Official Symbol</b>	CBLB
<b>Synonyms</b>	CBLB; Cbl proto-oncogene B; Cbl-b; RNF56; Nbla00127; 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
<b>Gene ID</b>	868
<b>mRNA Refseq</b>	NM_170662
<b>Protein Refseq</b>	NP_733762
<b>MIM</b>	604491
<b>UniProt ID</b>	Q13191

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