Active Recombinant Human CBLB Protein

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

SPECIFICATION

Product Overview	Recombinant Human CBLB Protein without tag was expressed in Spodoptera frugiperda, Sf 21 (baculovirus).
Species	Human
Source	Insect cells
Description	This gene encodes an E3 ubiquitin-protein ligase which promotes proteosome-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.
Bio-activity	Typical concentration to support in vitro applications will depend on experimental design.
Molecular Mass	110 kDa
Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

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Storage	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.
Storage Buffer	X mg/mL (X μM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 2 mM DTT
Shipping	The product is shipped with dry ice or equivalent.

GENE INFORMATION

Gene Name	CBLB Cbl proto-oncogene B [Homo sapiens (human)]
Official Symbol	CBLB
Synonyms	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
Gene ID	868
mRNA Refseq	NM_170662
Protein Refseq	NP_733762
MIM	604491
UniProt ID	Q13191

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