

Recombinant Human CBL protein, His & GST-tagged

Cat. No. CBL-1390H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CBL aa. (Ser558~Gly816 (Accession # P22681) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser558~Gly816
Description	This gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. This gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia, and expansion of CGG repeats in the 5' UTR has been associated with Jacobsen syndrome. Mutations in this gene are also the cause of Noonan syndrome-like disorder.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CBL Cbl proto-oncogene [Homo sapiens (human)]
Official Symbol	CBL
Synonyms	CBL; Cbl proto-oncogene; CBL2; NSLL; C-CBL; RNF55; FRA11B; E3 ubiquitin-protein ligase CBL; Cas-Br-M (murine) ecotropic retroviral transforming sequence; Cbl proto-oncogene, E3 ubiquitin protein ligase; RING finger protein 55; RING-type E3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ubiquitin transferase CBL; casitas B-lineage lymphoma proto-oncogene; fragile site, folic acid type, rare, fra(11)(q23.3); oncogene CBL2; proto-oncogene c-Cbl; signal transduction protein CBL

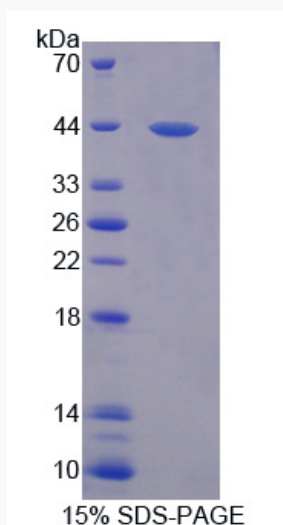
Gene ID 867

mRNA Refseq NM_005188.3

Protein Refseq NP_005179.2

UniProt ID P22681

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA