

Recombinant Human Cbl proto oncogene Protein, His tagged

Cat. No. CBL-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CBL Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	775-906 aa
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.
Tag	C-His
Molecular Mass	15 kDa
AA Sequence	MDVPKPPVPAVLARRTLSDISNASSSFGWLSLDGPTTNVTEGSQVPERPPKPFPR

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	RINSERKAGSCQQGSGPAASAATASPQLSSEIENLMSQGYSYQDIQKALVIAQNNIE MAKNILREFVSISSPAHVATHHHHHHHH
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH8.3
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	CBL Cbl proto-oncogene [Homo sapiens (human)]
Official Symbol	CBL
Synonyms	CBL; Cbl proto-oncogene, E3 ubiquitin protein ligase; Cas Br M (murine) ecotropic retroviral transforming sequence, CBL2; E3 ubiquitin-protein ligase CBL; c Cbl; oncogene CBL2; RNF55; proto-oncogene c-Cbl; RING finger protein 55; signal transduction protein CBL; casitas B-lineage lymphoma proto-oncogene; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL2; NSLL; C-CBL
Gene ID	867
mRNA Refseq	NM_005188
Protein Refseq	NP_005179

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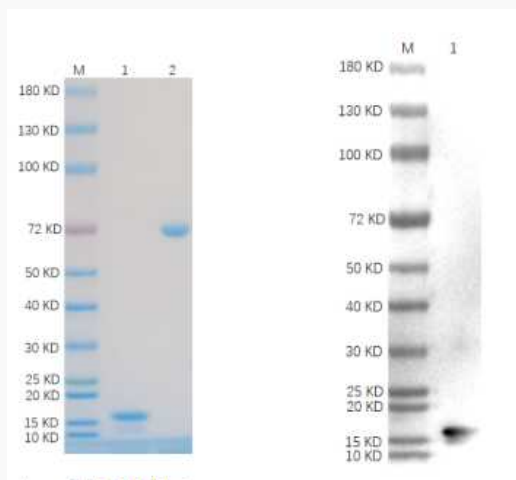
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MIM 165360

UniProt ID P22681

**Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
CBL.**



1. CBL: 1 µg
2. BSA: 1 µg

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