

Recombinant Human CBL Protein, GST-Tagged

Cat. No. CBL-0457H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CBL full-length ORF (NP_005179.2, 1 a.a. - 906 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2016]
Molecular Mass	126 kDa
AA Sequence	MAGNVKKSSGAGGGSGSGSGSGGLIGLMKDAFQPHHHHHHLSPPPGTVDDK MVEKVCWLMDKVVRCLQNPKLALKNSPPYILDLLPDYQHLRTILSRYEGKMETLGE NEYFRVFMENLMKKTKQTISLFKEGKERMYEENSQPRRNLTKLSLIFSHMLAELKGIF

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PSGLFQGDTRITKADAAEFWRKAFGEKTIVPWKSFRQALHEVHPISSGLEAMALKS
 TIDLCNDYISVFEFDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKARLQKF
 IHKPGSYIFRLSCTRLGQWAIGYVTADGNILQTIPH NKPLFQALIDGFREGFYLFDPGR
 NQNPDLTGLCEPTPQDHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEPCGHLM
 CTSCLTSWQESEGQGCPCRCCEIKGTEPIVVDPPDPRGSGSLLRQGAEGAPSPNYD
 DDDDERADDTLFMMKELAGAKVERPPSPFSMAPQASLPPVPPRLDLLPQRVCVPSS
 ASALGTASKAASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRPQRRPLPCT
 PGDCPSRDKLPPVPSSRLGDSWLPRIPIKVPVSAPSSSDPWTGRELTNRHSLPFSL
 PSQMEPRPDVPRLGSTFSLDTSMSMNSSPLVGPECDHPKIKPSSSANAIYSLAARPL
 PVPKLPPEGCEGEEDTEYMT PSSRPLRLDTSQSSRACDCDQQID SCTYEAMYN I
 QSQAPSITESSTFGEGNLAAAHANTGPEESENEDDGYDVPKPPVPAVLARRTLSDIS
 NASSSFGWLSLDGPTTNVTEGSQVPERPPKPFPRRINSERKAGSCQQGSGPAAS
 AATASPQLSSEIENLMSQGYSYQDIQKALVIAQNNIEMAKNILREFVSISSPAHVAT

Applications

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

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

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

Official Symbol

CBL

Synonyms

CBL; Cbl proto-oncogene, E3 ubiquitin protein ligase; Cas Br M (murine) ecotropic

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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

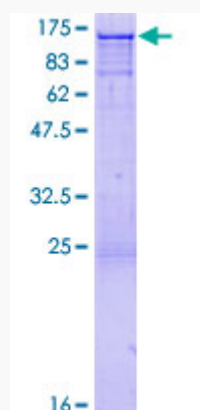
mRNA Refseq NM_005188

Protein Refseq NP_005179

MIM 165360

UniProt ID P22681

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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