

Recombinant Full Length Human CBL Protein, GST-tagged

Cat. No. CBL-2766HF **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	In Vitro Cell Free System
ProteinLength	906 amino acids
Description	<p>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]</p>
Molecular Mass	126 kDa
AA Sequence	MAGNVKKSSGAGGGSGSGGSGSGLIGLMKDAFQPHHHHHHLSPHPPGTVDKK MVEKCVKLMKVVRLCQNPKLALKNSPPYILDLLPDTYQHLRRTILSRYEKGKMETLGE

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NEYFRVFMENLMKKTQTISLFKEGKERMYEENSQPRRNLTKLSLIFSHMLAELKGIF
 PSGLFQGDTRITKADAAEFWRKAFGEKTIVPWKSFRQALHEVHPISSGLEAMALKS
 TIDLTCNDYISVFEFDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKARLQKF
 IHKPGSYIFRLSCTRLGQWAIGYVTADGNILQTIPHNKPLFQALIDGFREGFYLFDPGR
 NQNPDLTGLCEPTPQDHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEPCGHLM
 CTSCLTSWQESEGQGCPCRCCEIKGTEPIVVDPPDPRGSGSLLRQGAEGAPSPNYD
 DDDDERADDTLFMMKELAGAKVERPPSPFSMAPQASLPPVPPRLDLLPQRVCVPSS
 ASALGTASKAASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRPQRRPLPCT
 PGDCPSRDKLPPVPSSRLGDSWLPRPIPKVPVSAPSSSDPWTGRELNRHSLPFSL
 PSQMEPRPDVPRLGSTFSLDTSMSMNSSPLVGPECDHPKIKPSSSANAIYSLAARPL
 PVPKLPPGEQCEGEEDTEYMTSSRPLRPLDTSQSSRACDCDQQIDSCTYEAMYNI
 QSQAPSITESSTFGEGNLAAAHANTGPEESENEDDGYDVPKPPVPAVLARRTLSDIS
 NASSSFGWLSLDGDPTTNVTEGSQVPERPPKPFRRINSERKAGSCQQGSGPAAS
 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

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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](#)

MIM [165360](#)

UniProt ID [P22681](#)

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