

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	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	MAGNVKKSSGAGGGSGSGSGSGGLIGLMKDAFQPHHHHHHLSPPHGGTVDDK MVEKCKWKLMDKVVRLCQNPKLALKNSPPYILDLLPDITYQHLRTILSRYEKGKMETLGE

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NEYFRVFMENLMKKTQTISLFKEGKERMYEENSQPRRNLTKLISLIFSHMLAELKGIF
 PSGLFQGDTRITKADAAEFWRKAFGEKTIVPWKSFRQALHEVHPISSGLEAMALKS
 TIDLTCDNDYISVFEFDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKARLQKF
 IHKPGSYIFRLSCTRLGQWAIGYVTADGNILQTIPH NKPLFQALIDGFREGFYLFDPGR
 NQNPDLTGLCEPTPQDHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEPCGHLM
 CTSCLTSWQESEGQGCPFCRCEIKGTEPIVVDPPDPRGSGSLLRQGAEGAPSPNYD
 DDDDERADDTL FMMKELAGAKVERPPSPFMAPQASLPPVPPRLDLLPQRVCVPSS
 ASALGTASKAASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRPQRRPLPCT
 PGDCPSRDKLPPVPSSRLGDSWLPRPIPKVPVSAPSSSDPWTGRELTNRHSLPFSL
 PSQMEPRPDVPRLGSTFSLDTSMSMNSSPLVGPECDHPKIKPSSSANAIYSLAARPL
 PVPKLPPGEQCEGEEDTEYMT PSSRPLRPLDTSQSSRACDCDQQID SCTYEAMYN I
 QSQAPSITESSTFGEGNLAAAHANTGPEESENEDDG YDVPKPPVPAVLARRTLSDIS
 NASSSFGWLSLDGDPTTNVTEGSQVPERPPKPFPRRINSERKAGSCQQGSGPAAS
 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