

Recombinant Full Length Human CBL Protein, C-Flag-tagged

Cat. No. CBL-808HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CBL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	99.5 kDa
AA Sequence	MAGNVKKSSGAGGGSGSGSGSGGLIGLMKDAFQPHHHHHHLSPPPGTVDDK MVEKCWKLMDKVVRCL QNPKLALKNSPPYILDLLPDYQHLRILSRYEGKMETLG

 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

ENEYFRVFMENLMKKTQTISLFKEGKERM YEENSQPRRNLTKLSTLIFSHMLAELKG
 IFPSGLFQGDTRITKADAAEFWRKAFGEKTIVPWKSFRQALH EVHPISSGLEAMAL
 KSTIDLTCNDYISVFEFDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKAR L
 QKFIHKPGSYIFRLSCTRLGQWAIGYVTADGNILQTIPHNKPLFQALIDGFREGFYLP
 DGRNQNPDLT GLCEPTQDHIKVTQEYELYCEMGSTFQLCKICAENDKDKVIEPC
 GHLMCTSCLTSWQESEGQGCPCFCR CEIKGTEPIVVDPFDPGRSGSLLRQGAEGAP
 SPNYDDDDDERADDTLFMMKELAGAKVERPPSPFSMAPQ ASLPPVPPRLDLLPQR
 VCVPSASALGTASKAASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRP QR
 RPLPCTPGDCPSRDKLPPVPSSRLGDSWLPRPIPKVPVSAPSSSDPWTGRELTNRH
 SLPFSLSQMEP RPDVPRLGSTFSLDTSMSMNSSPLVGPECDHPKIKPSSSANAIY
 SLAARPLVPKLPPGEQCEGEEDTEY MTPSSRPLRPLDTSQSSRACDCDQQIDSCT
 YEAMYNISQAPSITESSTFGEGNLAAAHANTGPEESENE DDGYDVPKPPVPAVLA
 RRTLSDISNASSSFGWLSLDGDPTTNVTEGSQVPERPPKPFPRRINSEKAGSC QQ
 GSGPAASAATASPQLSSEIENLMSQGYSYQDIQKALVIAQNNIEMAKNILREFVSISSP
 AHVATTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors

Protein Pathways Chronic myeloid leukemia, Endocytosis, ErbB signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Ubiquitin mediated proteolysis

Full Length Full L.

GENE INFORMATION

Gene Name CBL Cbl proto-oncogene [Homo sapiens (human)]

Official Symbol CBL

Synonyms CBL2; NSLL; C-CBL; RNF55; FRA11B

Gene ID 867

mRNA Refseq NM_005188.4

Protein Refseq NP_005179.2

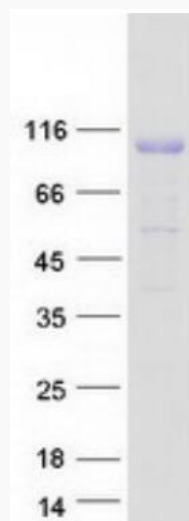
MIM 165360

UniProt ID P22681

 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



Coomassie blue staining of purified CBL protein.

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