

Recombinant Human CBL

Cat. No. CBL-26492TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CBL protein with an N terminal proprietary tag; predicted mwt: 125.73 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	906 amino acids
Description	The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation.
Molecular Weight	125.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MAGNVKKSSGAGGGSGSGSGSGLIGLMKDAFQPHHHHH HHLSPHPPGTVDKK
 MVEKWCWLMDKVVRLCQNPKLALKNS PPYILDLLPDYQHLRTILSRYEGKMETLG
 ENEYFRVFME NLMKKTKQTISLFKEGKERMYEENSQPRRNLTKLISLIFSH MLAELK
 GIFPSGLFQGDTRITKADAAEFWRKAFGEKTIV PWKSFRQALHEVHPISGLEAMA
 LKSTIDLTNDYISVFE FDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKAR
 LQKFIHKPGSYIFRLSCTRLGQWAIGYVTADGNILQTIPH NKPLFQALIDGFREGFYLF
 PDGRNQNPDLTGLCEPTQDH IKVTQEYELYCEMGSTFQLCKICAENDKDKVIEP
 CGHLM CTSCLTSWQESEGQGCPCFRCCEIKGTEPIVDPDFPRGSG SLLRQGAEG
 APSPNYDDDDDERADDTLFMMKELAGAKVER PPSPFSMAPQASLPPVPPRLDLLP
 QRVCPSSASALGTAS KAASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRP
 QRRPLPCTPGDCPSRDKLPPVPSSRLGDSWLPRPIPKVPV SAPSSSDPWTGRELT
 NRHSLPFSLPQMEPRPDVPRLGST FSLDTSMSMNSSPLVGPECDHPKIKPSSSAN
 AIYSLAARP LPVPKLPPGEQCEGEEDTEYMTSSRPLRPLDTSQSSRAC DCDQQID
 SCTYEAMYNISQAPSITESSTFGEGNLAAHA NTGPEESENEDDGVDVPKPPVPA
 VLARRTLSDISNASSSF GWLSLDGDPTTNVTEGSQVPERPPKPFPRRINSERKAGS
 C QQSGSPAASAATASPQLSSEIENLMSQGYSYQDIQKALVI AQNNIEMAKNILREFV
 SISSPAHVAT

Sequence Similarities

Contains 1 Cbl-PTB (Cbl-type phosphotyrosine-binding) domain.Contains 1 RING-type zinc finger.Contains 1 UBA domain.

GENE INFORMATION

Gene Name	CBL Cas-Br-M (murine) ecotropic retroviral transforming sequence [Homo sapiens]
Official Symbol	CBL
Synonyms	CBL; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL2; E3

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	ubiquitin-protein ligase CBL; c Cbl; oncogene CBL2; RNF55;
Gene ID	867
mRNA Refseq	NM_005188
Protein Refseq	NP_005179
MIM	165360
Uniprot ID	P22681
Chromosome Location	11q23.3-qter
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem;
Function	SH3 domain binding; calcium ion binding; ephrin receptor binding; ligase activity; phosphotyrosine binding;