

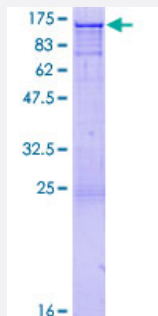
Full-Length

CBL (Human) Recombinant Protein (P01)

Catalog # H00000867-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CBL full-length ORF (NP_005179.2, 1 a.a. - 906 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGNVKKSSGAGGGSGSGSGSGLIGLMKDAFQPHHHHHHLSHPHPPGTVDKKMVEKCWKL
MDKVVRLCQNPKLALKNSPPYILDLLPDYQHLRTILSRYEGKMETLGENEYFRVFMENLMKKTQK
TISLFKEGKERMYEENSQPRRNLTKLSLIFSHMLAELKGIFPSGLFQGDTRITKADAAEFWRKAFG
EKTVPWKSFRQALHEVHPISSGLEAMALKSTIDLTCDYISVFEDIFTRLFQPWSSLLRNWNSLA
VTHPGYMAFLTYDEVKARLQKFHKGPSYIFRLSCTRLGQWAIGYVTADGNILQTIHPHNKPLFQALID
GFREGFYLPDGRNQNPDLTGLCEPTQDHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEP
CGHLMCTSLTSWQSEGGQCPFCRCEIKGTEPIVDPFDPRGSGSLLRQGAEGAPSPNYDDD
DDERADDTLFMMKELAGAKVERPPSPFMAPQASLPPVPPRLDLLPQRVCVPSSASALGTASK
AASGSLHKDKPLVPPTLRDLPPPPPPDRPYSVGAESRPQRRPLPCTPGDCPSRDKLPPVPSS
RLGDSWLPRPIPKVPVSAPSSSDPWTGRELTNRHSLPFSLPQMEPRPDVPRLGSTFSLDTSMS
MNSSPLVGPECDHPKIKPSSSANAYSLAARPLVPKLPPEGQCEGEEDTEYMPSSRPLRPLDT
SQSSRACDCDQIDSCYEMYNISQAPSITESSTFEGENLAAAHANTGPEESENEDDGYDVP
KPPVPAVLARRTLSDISNASSFGWLSLDGDPPTNVTEGSQVPERPPKPFPRRINSERKAGSCQ
QGSGPAASAATASPQLSSEIENLMSQGYSDIQKALVIAQNNIEMAKNILREFVSISSPAHVAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

126

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CBL

Entrez GeneID	867
GeneBank Accession#	NM_005188.2
Protein Accession#	NP_005179.2
Gene Name	CBL
Gene Alias	C-CBL, CBL2, RNF55
Gene Description	Cas-Br-M (murine) ecotropic retroviral transforming sequence
Omim ID	165360
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	oncogene CBL2

Pathway

- [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](#)

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Tobacco Use Disorder](#)