

Product datasheet for TP306047

CBLB (NM_170662) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Cas-Br-M (murine) ecotropic retroviral transforming sequence b (CBLB), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206047 protein sequence Red =Cloning site Green =Tags(s)

MANSMNGRNPGGRRGGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDKVVRLCQNPKLQLK
NS
PPYILDILPDTYQHRLRLILSKYDDNQKLAQLSENEYFKIYIDSLMKKSKRAIRLFKEGKERMYEEQSQDR
RNLTKLSLIFSHMLAEIKAIFPNGQFQGDNFRITKADAAEFWRKFFGDKTIVPWKVFQCLHEVHQISSG
LEAMALKSTIDLTCNDYISVFEDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKP
GSYIFRLSCTRLGQWAIGYVTGDGNILQTIPHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGLCEPTH
DHIKVTQEYELYCEMGSTFQLCKICAENDKDKVIEPCGHLMCTSLTAWQESDGGQCPFCRCEIKGTEP
IIVDPFDPREDEGRCCSIIDPFMPMLDLDDDDREESLMMNRLANVRKCTDRQNSPVTSPGSSPLAQR
KPQDPDLQIPHLSPVPPRLDLIQGIVRSPCGSPTGSPKSSPCMVRKQDKPLAPPPPLRDP PPPPE
RPPPIPPDNRLSRHIIHVESVPSKDPMPLEAWCPRDVFGTNQLVGCRLLEGSPKPGITASSNVNGRHS
RVGSDPVLMRKHRRHDLPLEGAKVFSNGHLGSEEYDVPPRLSPPPVTTLLPSIKCTGPLANSLSKTRD
PVEEDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRSCDNHGMNLNTHGSPSEKSNIPDLSIYLKGDVFD
SASDPVPLPPARPPTRDNPKHGSSLNRTPSDYDLLIPPLGEDAFDALPPSLPPPPPPARHSLIEHSKPPG
SSSRPSSGQDLFLLPSDPFVDLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQAPARPPKPRP
RRTAPEIHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALEIAQNNVEVARSILREFAFPPVSPRL
NL

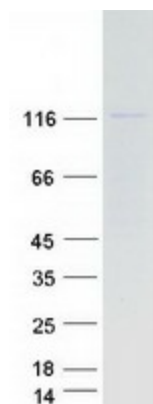
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	109.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_733762
Locus ID:	868
UniProt ID:	Q13191
RefSeq Size:	3976
Cytogenetics:	3q13.11
RefSeq ORF:	2946
Synonyms:	Cbl-b; Nbla00127; RNF56
Summary:	This gene encodes an E3 ubiquitin-protein ligase which promotes proteasome-mediated protein degradation by transferring ubiquitin from an E2 ubiquitin-conjugating enzyme to a substrate. The encoded protein is involved in the regulation of immune response by limiting T-cell receptor, B-cell receptor, and high affinity immunoglobulin epsilon receptor activation. Studies in mouse suggest that this gene is involved in antifungal host defense and that its inhibition leads to increased fungal killing. Manipulation of this gene may be beneficial in implementing immunotherapies for a variety of conditions, including cancer, autoimmune diseases, allergies, and infections. [provided by RefSeq, Sep 2017]
Protein Families:	Druggable Genome
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

Product images:

Coomassie blue staining of purified CBLB protein (Cat# TP306047). The protein was produced from HEK293T cells transfected with CBLB cDNA clone (Cat# [RC206047]) using MegaTran 2.0 (Cat# [TT210002]).