

Product datasheet for PH306047

CBLB (NM_170662) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CBLB MS Standard C13 and N15-labeled recombinant protein (NP_733762)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206047
Predicted MW:	109.4 kDa
Protein Sequence:	>RC206047 protein sequence Red =Cloning site Green =Tags(s)

MANSMNGRNPGGRRGNPRKGRILGIIDAIQDAVPPKQAAADRRTVEKTWKLMDKVVRCLQNPKLQLKNS
PPYILDILPDTYQHLRLILSKYDDNQKLAQLSENEYFKIYIDSLMKKSKRAIRLFKEGKEMYEEQSQDR
RNLTkLSLIFSHMLAEIKAI FPNQGFQGDNRITKADAAEFWRKFFGDKTIVPWKVFRQCLHEVHQISSG
LEAMALKSTIDLTCNDYISVFEFDIFTRLFQPWGILRNWNFLAVTHPGYMAFLT YDEVKARLQKYSTKP
GSYIFRLSCTRLGQWAIGYVTGDGNILQTI PHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGLCEPTPH
DHIKVTQEYEL YCEMGSTFLCKICAENDKDVKIEPCGHLMCT SCLTAWQESDGGQCPFCRCEIKGTPE
IIVDPFDPREDESRCCSIIDPFGMPLDLD DDDREESLMMNRLANVRKCTDRQNSPVTSPGSSPLAQR
KPQPDLPQI PHLSLPPVPPRLDLIQKGI VRSPCGSPTGSPKSSPCMVVKQDKPLPAPPPPLRDP PPPPE
RPPPIPPDRNLSRHIHVESVPSKDPMPLEAWCPDVF GTNQLVGCRLGEGSPKPGITASSNVNGRHS
RVGSDPVLMRKHRRHDLPEGAKVFSNGHLGSEEDVYVPPRLSPPPPVTTLLPSIKCTGPLANSLSKTRD
PVEEDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRS CDNGHCMLNGTHGPSSEKKSNIPLDSIYKGDVFD
SASDPVPLPPARPPTRDNPKHGSSLNRTPSDYDLLIPPLGEDAFDALPPSLPPPPPPARHSLIEHSPKPG
SSSRPSSGQDLFLLPSPFV DLASGQVPLPPARRLPGENVKTNRTSQDYDQLPSCSDGSQLAPRPPKPRP
RRTAPEIHHRKPHGPEAALENDAKIAKLMGEGYAFEEVKRALEIAQNNVEVAR SILREFAFPVSPRL
NL

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

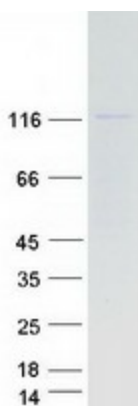
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_733762
RefSeq Size:	3976
RefSeq ORF:	2946
Synonyms:	Cbl-b; Nbla00127; RNF56
Locus ID:	868
UniProt ID:	Q13191 , B3KSS7 , H0Y3L9
Cytogenetics:	3q13.11
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]).