

Product datasheet for TP527649

Cblb (NM_001033238) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Casitas B-lineage lymphoma b (Cblb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR227649 representing NM_001033238
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MANSMNGRNPGGRRGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDKVVRLCQNPQLQKNS
PPYILDILPDYQHLLRLILSKYDDNQKLAQLSENEYFKIYIDSLMKSKRAIRLFKEGKERMYYEQSQDR
RNLTKLSLIFSHMLAEIKAIFPNGQFQGDNFRIKADAAEFWRKFFGDKTIVPWKVFQCLHEVHQISSG
LEAMALKSTIDLTCNDYISVFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKP
GSYIFRLSCTRLGQWAIGYVTGDGNILQTIPIHNKPLFQALIDGSREGFYLYPDGRSYNPDLTGLCEPTPH
DHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEPCGHLMCTSCLTAWQESDGGQPCFRCRCEIKGTEP
IIVDPFDPRDEGSRCCSIIDPFIPMLDLDDDDREESLMMNRLASVRKCTDRQNSPVTSPGSSPLAQR
KPQDPDLQIPHLSLPPVPPRLDLIQKGIVRSPCGSPTGSPKSSPCMVKQDKPLAPPPPLRDP PPPPP
PPPIPPDNRLSRHFHGHGESVPSRDQPMLEAWCPRDAFGTNQVMGRILGDGSPKPGVTANSSLNHRHSR
MGSEQVLMRKHRRHDLPSEGAKVFSNGHLATEEYDVPPRLSPPPPVTTLLPSIKCTGPLANCLSEKTRDT
VEDDDDEYKIPSSHPVSLNSQPSHCHNVKAPVRSCDNGHCILNGTHGAPSEMKKSNIPLGIYLGKEDAF
DALPPSLPPPPPPARHSLIEHSKPPGSSSRPSSGQDLFLLPSDPFFDPTSGQVPLPPARRAAGDSGKANR
ASQDYDQLPSSSDGSQAPARPPKPRRRTAPEIHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALE
IAQNNVEVARSILREFAPPPVSPRLNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	105 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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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 after receiving vials.
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_001028410
Locus ID:	208650
UniProt ID:	Q3TTA7 , B9EKI5
RefSeq Size:	6323
Cytogenetics:	16 B5
RefSeq ORF:	2814
Synonyms:	AI429560; AI851073; Cbl-b
Summary:	<p>E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and transfers it to substrates, generally promoting their degradation by the proteasome. Negatively regulates TCR (T-cell receptor), BCR (B-cell receptor) and FCER1 (high affinity immunoglobulin epsilon receptor) signal transduction pathways. In naive T-cells, inhibits VAV1 activation upon TCR engagement and imposes a requirement for CD28 costimulation for proliferation and IL-2 production. Also acts by promoting PIK3R1/p85 ubiquitination, which impairs its recruitment to the TCR and subsequent activation. In activated T-cells, inhibits PLCG1 activation and calcium mobilization upon restimulation and promotes anergy. In B-cells, acts by ubiquitinating SYK and promoting its proteasomal degradation. Slightly promotes SRC ubiquitination. May be involved in EGFR ubiquitination and internalization. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. In association with CBL, required for proper feedback inhibition of ciliary platelet-derived growth factor receptor-alpha (PDGFRA) signaling pathway via ubiquitination and internalization of PDGFRA (PubMed:29237719).</p> <p>[UniProtKB/Swiss-Prot Function]</p>