

Product datasheet for **TP517651**

Cobl (NM_172496) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cordon-bleu WH2 repeat (Cobl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >MR217651 representing NM_172496
Red=Cloning site **Green**=Tags(s)

MDAPRALAAKPPTGRKMKARAPPPPGKPAAQNVHSEQKLPHDATLGSQQSLVYMKEALQNSTLDITVVL
P
SGLEKQSVVSGSHAMMDLLVELCLQNLNPSHHVLEIWSSETQQPLSFKPNTLIGSLNVHTVLLKEKVPE
ERVKPGLTKAPEKSVRLVVNYLRTQKAVVRVSPEVPLQNILPVICAKCEVNPEHVILLRDNVAGEEELS
KSLNELGIKELYAWDNRRREMFRKSSLGNDETDEKEKKFLGFFKANKRSNSKAHLGLSGADSDPAKSA
SGGDLNGCVTTPNPSLSHSRSLTLGPSLSLGNISGVSMKSDMKRRAPPPSPKLLGQDKVSEKASLSSQ
ADLQKKRRAPAPPPPPQPPSPVVPNRKEDKEENRKSTVGVGRQVPQKPPRGRTARGPPQLVLP PPPPY
P
PPDTPVTEPVTFFGEGAGSETSELRPKLSLPLPGSGHCSMGGVSQVPAESEETASEDTTDSGVMSSPSD
AISLDSQQDSMRSKDKWSTDQEDGSDQDLAGTPELGPQKSPSWGKSGSGSSILRTEKATMPTNDDDLFI
TGHLLHQTLAELEDEDLEGMEENYETDTSSTNSVNGVSNHSLQEAIIPDSGVDDIPVTFIGEVSEPFDSG
LFSSRCNNATTFTNGSIASQRSHLSPSQTEHSQPFVRTSRKEPDSPSPSQDNRKRNPQTLANTSEENPV
ETDPTVTSLSVKLLIDDPKAKDKGKVHGSSHSEKTQAGHGINSRLRVNPRDGKDESSNSAPPPWSHHGQAL
GGSYGLKYGLTTYKIVPPKSEMRCYDRDVSLSLSTGAIKIDELGNLVSPhMNGSRTISPPSAVVETDTPPIG
KVKEFWRRNSMEKYLNGPAECTIKRAPSTTITATPEKPQQDNGMKAAFTVTPQQQPASQEYGAHLEER
SRPQSAVSCSVKVPASNPTDITFLKPQRRTSSQYVASIAKKMGPPKVHADVVRPHKATTEQCHEEAKLA
RSPPTRKDDAAPNLHSEARQHEHGTNQSSVCLPSNPGVQLPAGGHPKVEVNSTYGKSSTQDYPAAVHR
NS
YFLPGRSSHRDRVSVGQSCGFNEKQTTSNQKANSTSNFSQALDKAHPPPLLLAEARDSGRILMNGSARTP
GNCEPPHSPKESTLTSYIILQTEEKPSLSTDGQDADDTLPSSIFGPKKKFKPVIQRPLPKDVSLHSALM
EAIHSSGGREKLRKTAEQTSEGRPKPSYVEAESERSALLAAIRGHSGTSLRKVSSLASEELQSFRNAA
LGAPGLDKPQQEDLGLPPPPALPPPPAPAPQAPSASVTVSFSTGTPSNSVNARQALMDAIRSGTGAARL
RKVPLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 143.9 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
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_766084](#)
Locus ID: 12808

UniProt ID:	<u>Q5NBX1</u>
RefSeq Size:	5633
Cytogenetics:	11 7.3 cM
RefSeq ORF:	4011
Synonyms:	4732460E13; C530045F18Rik; mKIAA0633
Summary:	Plays an important role in the reorganization of the actin cytoskeleton. Binds to and sequesters actin monomers (G actin). Nucleates actin polymerization by assembling three actin monomers in cross-filament orientation and thereby promotes growth of actin filaments at the barbed end. Can also mediate actin depolymerization at barbed ends and severing of actin filaments. Promotes formation of cell ruffles. Regulates neuron morphogenesis and increases branching of axons and dendrites. Regulates dendrite branching in Purkinje cells.[UniProtKB/Swiss-Prot Function]