

Product datasheet for **TP510351**

Cop1 (NM_011931) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse COP1, E3 ubiquitin ligase (Cop1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210351 representing NM_011931 Red=Cloning site Green=Tags(s)

MSGSRQAGSGSAGTSPGSSAASSVTSASSSLSSSPPPSVAASAATLVSGGVAPAAGSGGLGGPGRPVLV
AAVSGSASAGGAVSAGQSRLSAARPSAGVGGSSSLGSSSRKRPLLPLCNGLLSYEDKSNDFVCPI
CFDMIEEAYMTKCGHSFCYKCIHQSLDNNRCPKCNVVDNIDHLYPNFLVNELILKQKRFEEKRFKLD
HSVSTNGHRWQIFQDLLGTDQDNLDLANVNLMLELLVQKKKQLEAESHAACLQILMEFLKVARRNKREQ
LEQIQKELSVLEEDIKRVEMSGLYSPVSEDSTVPQFEAPSPSHSSIIDSTEYSQPPGFSGTSQTKKQPW
YNSTLASRRKRLTAHFEDLEQCYFSTRMSRISDDSRASQLDEFQECLSKFTRYNSVRPLATLSYASDLY
NGSSIVSSIEFDRDCDYFAIAGVTKKIKVYEGTVIQDAVDIHPENEMTCNSKISCISWSSYHKNNLLAS
SDYEGTVILWDGFTGQRSKVYQEHEKRCWSVDFNLMDPKLLASGSDDAKVKLWSTNLDNSVASIEAKANV
CCVKFSPSSRYHLAFGCADHCVHYYDLRNTKQPIMVFKGHRKAVSYAKFVSGEEIVSASTDSQLKLWNVG
KPYCLRSFKGHINEKNFVGLASNGDYIACGSENNSLYLYYKGLSKTLLTFKFDTVKSVLDDKDRKEDDTNE
FVSAVCWRALSDGESNVLIAANSQGTIKVLELV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	80.9 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.



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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_036061
Locus ID:	26374
UniProt ID:	Q9R1A8
RefSeq Size:	5056
Cytogenetics:	1 H1
RefSeq ORF:	2199
Synonyms:	A1316802; C80879; Cop1; Rfwd2
Summary:	<p>E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in JUN ubiquitination and degradation. Directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. Ubiquitinates p53 independently of MDM2 or RCHY1. Probably mediates E3 ubiquitin ligase activity by functioning as the essential RING domain subunit of larger E3 complexes. In contrast, it does not constitute the catalytic RING subunit in the DCX DET1-COP1 complex that negatively regulates JUN, the ubiquitin ligase activity being mediated by RBX1. Involved in 14-3-3 protein sigma/SFN ubiquitination and proteasomal degradation, leading to AKT activation and promotion of cell survival. Ubiquitinates MTA1 leading to its proteasomal degradation. Upon binding to TRIB1, ubiquitinates CEBPA, which lacks a canonical COP1-binding motif.[UniProtKB/Swiss-Prot Function]</p>