

Recombinant Mouse Rprd1b Protein, Myc/DDK-tagged

Cat. No. Rprd1b-5600M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length regulation of nuclear pre-mRNA domain containing 1B (Rprd1b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCDN1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.
Molecular Mass	36.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Rprd1b regulation of nuclear pre-mRNA domain containing 1B [Mus musculus (house mouse)]
Official Symbol	Rprd1b
Synonyms	RPRD1B; regulation of nuclear pre-mRNA domain containing 1B; regulation of nuclear pre-mRNA domain-containing protein 1B; cell cycle-related and expression-elevated protein in tumor; cell-cycle related and expression-elevated protein in tumor; Crept; RP23-396G1.1; 2610304G08Rik; 2810446G03Rik
Gene ID	70470
mRNA Refseq	NM_027434
Protein Refseq	NP_081710
UniProt ID	Q9CSU0

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