

## Product datasheet for **TP504728**

### Rprd1b (NM\_027434) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse regulation of nuclear pre-mRNA domain containing 1B (Rprd1b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204728 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSFSESALEKKLSELSNSQQSVQTLNLWLIHHRKHAGPIVSVWHRELKAKSNRKLTFLYLANDVIQNS  
KRKGPFTREFESVLVDAFHVAREADEGCKKPLERLLNIWQERSVYGGFEIQQLKLSMEDSKSPPPKAE  
EKSLKRTFQIQEEEDDDYPGSYSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPQEVQDV  
SLLKIDTKEAAERLSKTVDEACLLLAEYNGRLAAELEDRRQLARMLVEYTQNQKEVLSEKEKKLEEKYKQ  
KLARVTQVRKELKSHIQSLPDLSPNVTGGLAPLPSAGDLFSTD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	36.8 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:	<a href="#">NP_081710</a>
Locus ID:	70470
UniProt ID:	<a href="#">Q9CSU0</a> , <a href="#">A0A0R4J195</a>



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RefSeq Size: 4517

Cytogenetics: 2 H1

RefSeq ORF: 978

Synonyms: 2610304G08Rik; 2810446G03Rik; Crept

**Summary:** 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 CCND1 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 (By similarity).[UniProtKB/Swiss-Prot Function]