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Product datasheet for AR51868PU-N

RPRD1B (1-326, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RPRD1B (1-326, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSSFSES ALEKKLSELS NSQQSVQTLS LWLIHHRKHA GPIVSVWHRE LRKAKSNRKL TFLYLANDVI QNSKRKGPEF TREFESVLVD AFSHVAREAD EGCKKPLERL LNIWQERSVY GGEFIQQLKL SMEDSKSPPP KATEEKKSLK RTFQQIQEEE DDDYPGSYSP QDPSAGPLLT EELIKALQDL ENAASGDATV RQKIASLPQE VQDVSLLEKI TDKEAAERLS KTVDEACLLL AEYNGRLAAE LEDRRQLARM LVEYTQNQKD VLSEKEKKLE EYKQKLARVT QVRKELKSHI QSLPDLSLLP NVTGGLAPLP SAGDLFSTD
Tag:	His-tag
Predicted MW:	39.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPRD1B, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_067038
Locus ID:	58490
UniProt ID:	Q9NQG5
Cytogenetics:	20q11.23

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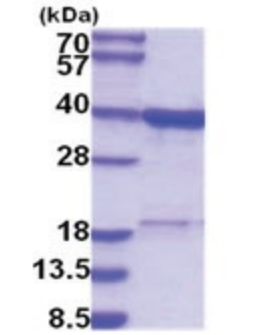
Synonyms: C20orf77; CREPT; dJ1057B20.2; K-H; Kub5-Hera; NET60

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 by RPAP2. 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.[UniProtKB/Swiss-Prot Function]

Product images:



15% SDS-PAGE (3ug)