

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

RPRD1B, 1-326aa, Human, His tag, E.coli

产品货号: TP03785

第三版

别名: Regulation of nuclear pre-mRNA domain-containing protein 1B, C20orf77, CREPT, dJ1057B20.2, NET60

描述: RPRD1B also known as regulation of nuclear pre-mRNA domain-containing protein 1B. This protein interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. It 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. It 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. It 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. It promotes cell proliferation. Recombinant human RPRD1B, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT

分子量: 39.3kDa (349aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMSSFESALEKKLSELSNSQQSVQTLSLWLIHHRKHAGPIVSVWHRELKAKSNRKL  
TFLYLANDVIQNSKRKGPFTREFESVLVDAFSHVAREADEGCKKPLERLLNIWQERSVYGGFEIQQLKLSMEDSKSPPKA  
TEEKSLKRTFQQIQEEEDDDYPGSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPQEVQDVSLLLEKITDKEA  
AERLSKTVDEACLLLAEYNGRLAAELEDRLRLMLVEYTQNQKQDVLSEKEKKLEEYKQKLARVTQVRKELKSHIQSLPDL  
SLLPNVTGGLAPLPSAGDLFSTD

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.