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32-13388: RPRD1B Human

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

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
Regulation of nuclear pre-mRNA domain-containing protein 1B (RPRD1B) interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. RPRD1B stimulates 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. RPRD1B inhibits RNA polymerase II from reading through the 3' end termination site and may allow it to be drafted back to the promoter through promotion of the formation of a chromatin loop. In addition, RPRD1B enhances the transcription of several other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. RPRD1B also promotes cell proliferation.
RPRD1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (1-326 a.a) and having a molecular mass of 39.3kDa.RPRD1B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	RPRD1B protein solution (1mg/ml) in Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.