

32-4630: Recombinant Human RD RNA Binding Protein

Alternative Name : RD RNA binding protein, NELF-E, RD, D6S45, RDP, Major Histocompatibility Complex Gene RD, Negative Elongation Factor Polypeptide E, nuclear protein, RDBP.

Description

Source : Escherichia Coli. RDBP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 400 amino acids (1-380a.a.) and having a molecular mass of 45.4 kDa. RDBP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. RDBP is a putative RNA binding protein. RDBP protein is one of the five components of the multisubunit NELF complex which collaborates with DSIF to repress RNA polymerase II elongation. Control of transcription elongation needs a complex interaction between positive transcription elongation factor b and negative transcription elongation factors, DSIF and NELF. DSIF and NELF, act as negative transcription elongation factors by increasing the time the polymerase spends at pause sites. RDBP has a functional RNA-binding domain, whose mutations impair transcription repression without affecting known protein-protein interactions.

Product Info

Amount : 25 µg

Purification : RDBP was found to be greater than 85% as determined by SDS-PAGE.

Content : The RDBP protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 2mM DTT and 10% glycerol.

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 it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MLVIPPLSE EEEALQKKFN KLKKKKKALL ALKKQSSSST TSQGGVKRSL SEQVMDTAT ATEQAKQLVK SGASAIKAE TKNSGFKRSR TLEGKLDPE KGPVPTFQPF QRSISADDDL QESSRRPQRK SLYESFVSS DRLRELPGDG EEAEGPGAGD GPPRSFDWGY EERSGAHSSA SPPRSRSRDR SHERNRDRDR DRERDRDRDR DRDRERDRDR DRDRDRDRER DRDRERDRDR DREGPFRSD SFPERRAPRK GNTLYVYGED MTPTLRGAF SPFGNIIDLS MDPPRNCAFV TYEKMESADQ AVAELNGTQV ESQQLKVNIA RKQPMLDAAT GKSVWGS LAV QNSPKGCHRD KRTQIVYSDD VYKENLVDGF

