9051 Mira Mesa Blvd, #910094
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RDBP Human

RD RNA Binding Protein Human Recombinant
RCP1839

Product Overview

Name	RDBP Human
Description	
RD RNA Binding Protein Human Recombinant	
Accession (Primary)	P18615
Synonyms	
RD RNA binding protein, NELF-E, RD, D6S45, RDP, Major Histocompatibility Complex Gene RD, Negative Elongation Factor Polypeptide E, nuclear protein, RDBP.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
The RDBP is supplied as a sterile filtered clear solution.	
Formulation	
The RDBP protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 2mM DTT and 10% glycerol.	
Stability	
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.	
Purity	
RDBP purity was found to be greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MLVIPPGLSE EEEALQKKFN KLKKKKKALL ALKKQSSSST TSQGGVKRSL	

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SEQPVMDTAT ATEQAKQLVK SGAISAIKAE TKNSGFKRSR TLEGKLKDPE KGPVPTFQPF QRSISADDDL QESSRRPQRK SLYESFVSSS DRLRELGPDG EEAEGPGAGD GPPRSFDWGY EERSGAHSSA SPPRSRSRDR SHERNRDRDR DRERDRDRDR DRDRERDRDR DRDRDRDRER DRDRERDRDR DREGPFRRSD SFPERRAPRK GNTLYVYGED MTPTLLRGAF SPFGNIIDLS MDPPRNCAFV TYEKMESADQ AVAELNGTQV ESVQLKVNIA RKQPMLDAAT GKSVWGSLAV QNSPKGCHRD KRTQIVYSDD VYKENLVDGF

Precautions

RDBP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P18615)