

RDBP, 1-380aa, Human, His tag, E.coli

Cat.NO.: TP03707

3th Edition

Synonyms:RD RNA binding protein. D6S45, NELF-E, RD, RDP.

Description:RDBP, also known as NELF-E, is a putative RNA binding protein. This protein is one of the five components of the multisubunit NELF complex that cooperates with DSIF to repress RNA polymerase II elongation. Control of transcription elongation requires a complex interplay 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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 50% glycerol, 1mM DTT, 0.1mM PMSF.

Molecular Weight:45.4 kDa (400aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMLVIPPGLSEEEEEALQKKFNKLLKKKKKALLALKKQSSSSTTSQGGVKRSLSEQPV
MDTATATEQAKQLVKSGAISAIAKAETKNSGFKRSRTLEGKLDPEKGPVPTFQPFQRSISADDDLQESSRRPQRKS
LYESFVSSSDRLRELGPDGEEAEGPGAGDGPPRSFDWGYEERSGAHSSASPPRSRSRDRSHERNRDRDRDRER
DRDRDRDRDRERDRDRDRDRDRDRERDRDRERDRDRDREGPFRRSDSFPERRAPRKGNTLYVYGEDMTPTLLR
GAFSPFGNIIDLSDPPRNCAFVTYEKMESADQAVAEANGTQVESVQLKVNIARKQPMLDAATGKSVWGLAVQN
SPKGCHRDKRTQIVYSDDVYKENLVDGF

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay).

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.