

Product information

RDBP, 1-380aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0974

Full name: RD RNA binding protein.

NCBI Accession No.: NP_002895

Synonyms: D6S45, NELF-E, RD, RDP.

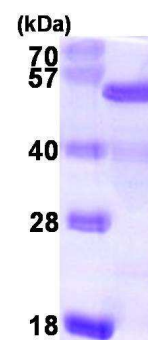
Description: RDBP, also known as NELF-E, is a putative RNA binding protein. This protein is one of the five components of the multisubunit NELF complex that cooperates with DSIF to repress RNA polymerase II elongation. Control of transcription elongation requires a complex interplay between positive 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. RDBP has a functional RNA-binding domain, whose mutations impair transcription repression without affecting known protein-protein interactions. Recombinant human RDBP protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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)

Purity: > 85% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MLVIPPGLSE EEEALQKKFN KLKKKKKALL ALKKQSSSST TSQGGVKRSL SEQPVMdTAT ATEQAKQLVK
SGAISAIAE TKNSGFKRSR TLEGKLDPE KGPVPTFPQF QRSISADDDL QESSRRPQPK SLYESFVSSS DRLRELGPDG EEAEGPGAGD
GPPRSFDWGY EERSGAHSSA SPPRSRSRDR SHERNRDRDR DRERDRDRDR DADRERDRDR DRDRDRDRER DRDRERDRDR DREGPFRRSD
SFPERRAPRK GNTLYVYGED MTPTLLRGAF SPFGNIIDLS MDPPRNCAFV TYEKMESADQ AVAELNGTQV ESQVLKVNIA RKQPM LDAAT
GKSVWGLAV QNSPKGCHRD KRTQIVYSDD VYKENLVDGF

General references:

Wada T., *et al.* (2000) *Mol Cell.* 5(6):1067-72.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com