

AR09914PU-N

Human NELF-E (1-380, His-tag) - Purified

Alternate names:

NELFE, Negative elongation factor E, RD, RDBP

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

NELF-E (RDBP) 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. NELF-E has a functional RNA-binding domain, whose mutations impair transcription repression without affecting known protein-protein interactions.

Uniprot ID:

[P18615](#)

NCBI:

[NP_002895](#)

GeneID:

[7936](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl

Description:

Recombinant human RDBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MLVIPPGLSE EEEALQKKFN KLKKKKKALL ALKKQSSSST
TSQGGVKRSL SEQPVMdTAT ATEQAKQLVK SGASIAIKAE TKNSGFKRSR TLEGKLDPE
KGPVPTFQPF QRSISADDDL QESSRRPQRK SLYESFVSSS DRLRELGPDG EEAEGPGAGD
GPPRSFDWGY EERSGAHSSA SPPRSRSRDR SHERNRDRDR DRERDRDRDR DRDRERDRDR
DRDRDRDRER DRDRERDRDR DREGPFRRSD SFPERRAPRK GNTLYVYGED MPTLLRGAF
SPFGNIIDLS MDPPRNCAFV TYEKMESADQ AVAELNGTQV ESVQLKVNIA RKQPM LDAAT
GKSVWGLAV QNSPKGCHRD KRTQIVYSDD VYKENLVDGF

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

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

Recombinant human NELF-E, 1-380aa,
His-tagged

