

Recombinant human RDBP/NELFE protein

Catalog Number: ATGP2685

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-380aa

UniProt No.

P18615

NCBI Accession No.

NP_002895

Alternative Names

Negative elongation factor complex member E, RD RNA-binding protein, RNA-binding protein RD, RD, D6S45, NELF-E, RDP

PRODUCT SPECIFICATION

Molecular Weight

45.6 kDa (403aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BRADFORD assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NELFE is a part of complex termed negative elongation factor (NELF) which represses RNA polymerase II transcript elongation. This protein bears similarity to nuclear RNA-binding proteins; however, it has not been demonstrated that this protein binds RNA. It contains a tract of alternating basic and acidic residues, largely arginine (R) and aspartic acid (D). Recombinant human NELFE protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

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Amino acid Sequence

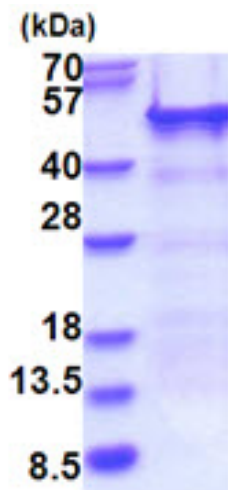
MGSSHHHHHH SSSLVPRGSH MGSMLVIPPG LSEEEALQK KFNKLKKKKK ALLALKKQSS SSTTSQGGVK RSLSEQPVMD
TATATEQAKQ LVKSGAISAI KAETKNSGFK RSRTLEGKLK DPEKGPVPTF QPFQRSISAD DDLQESSRRP QRKSLYESFV
SSSDRLRELG PDGEEAEGPG AGDGPPRSFD WGYEERSGAH SSASPPRSRS RDRSHERNRD RDRDRERDRD
RDRDRDRERD RDRDRDRDRD RERDRDRERD RDRDREGPFR RSDSPERRA PRKGNTLYVY GEDMTPTLLR GAFSPFGNII
DLSMDPPRNC AFVTYEKMEs ADQAVAEENG TQVESVQLKV NIARKQPLMD AATGKSVWGS LAVQNSPKGC HRDKRTQIVY
SDDVYKENLV DGF

General References

Yamaguchi Y., Takagi T, et al. (1999) Cell 97:41-51
Surowy C.S., Hoganson G, et al. (1990) Gene 90:299-302

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)