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

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

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Amino acid Sequence

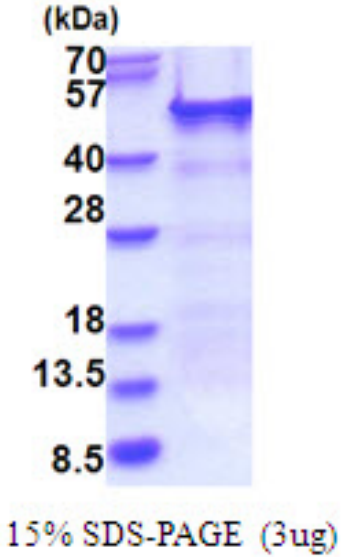
MGSSHHHHHH SSGLVPRGSH MGSMLVIPPG LSEEEEALQK KFNKLKKKKK ALLALKKQSS SSTTSQGGVK RSLSEQPVMD TATATEQAKQ LVKSGAISAI KAETKNSGFK RSRTLEGKLK DPEKGPVPTF QPFQRSISAD DDLQESSRRP QRKSLYESFV SSSDRLRELG PDGEEAEGPG AGDGPPRSFD WGYEERSGAH SSASPPRSRS RDRSHERNRD RDRDRERDRD RDRDRDRERD RDRDRDRDRD RERDRDRERD RDRDREGPFR RSDSFPERRA PRKGNTLYVY GEDMTPTLLR GAFSPFGNII DLSMDPPRNC AFVTYEKMES ADQAVAELNG TQVESVQLKV NIARKQPMLD 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



15% SDS-PAGE (3ug)

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