

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

Cat.NO.: TP03142

3th Edition

Synonyms:Negative elongation factor E, Negative elongation factor complex member E, D6S45, NELF-E, RD, RDBP, RDP

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

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

Molecular Weight:45.6kDa (403aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMMLVIPPGLSEEEEEALQKKFNKLKKKKKALLALKKQSSSSTTSQGGVKRSLSE
QPVMdTATATEQAKQLVKSGAISAIAETKNSGFKRSRTLEGKLDPEKGPVPTFQPFQRSISADDDLQESSRRPQ
RKSLYESFVSSDRLRELGPDGEEAEGPGAGDGPPRSFDWGYEERSGAHSSASPPRSRSRDRSHERNRDRDRD
RERDRDRDRDRDRERDRDRDRDRDRDRERDRDRERDRDRDREGPFRRSDSFPERRAPRKGNTLYVYGEDMTP
TLLRGAFSPFGNIIDLSDPPRNCAFVTYEKMESADQAVAEANGTQVESVQLKVNIARKQPMLDAATGKSVWGSLA
VQNSPKGCHRDKRTQIVYSDDVYKENLVDGF

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.