

---

**Product Data Sheet**


---

Product Name: NELFE Human

Cat. No.: GP24030

Batch No.: 1

**Product Data**

Purity &gt;98%

Source E.coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms Negative elongation factor E; NELF-E; RNA-binding protein RD; NELFE; RD; RDBP; Negative Elongation Factor Complex Member E; D6S45; RDP.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMLVIPPG LSEEEALQK KFNKLKKKKK  
 ALLALKKQSS SSTTSQGGVK RSLSEQPVM D TATATEQAKQ LVKSGAISAI  
 KAETKNSGFK RSR TLEGK LK DPEKGPVPTF QPFQRSISAD DDLQESSRRP  
 QRKSLYESFV SSSDRLRELG PDGEEAEGPG AGDGPPRSFD WGYEERSGAH  
 SSASPPRSRS RDRSHERNRD RDRDRERDRD RDRDRDRERD RDRDRDRDRD  
 RERDRDRERD RDRDREGPFR RSDSFPERRA PRKGNTLYVY GEDMTPTLLR  
 GAFSPFGNII DLSMDPPRNC AFVTYEKME S ADQAVAELNG TQVESVQLKV  
 NIARKQPMLD AATGKSVWGS LAVQNSPKGC HRDKRTQIVY SDDVYKENLV  
 DGF.

Formulation The NELFE solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 5mM DTT.

**Introduction**

NELFE is a vital component of NELF complex which represses RNA polymerase II transcript elongation. NELFE is similar to nuclear RNA-binding proteins but does not bind RNA. NELFE contains a tract of alternating basic and acidic residues, mainly arginine and aspartic acid.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

NELFE Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 403 amino acids (1-380) and having a molecular mass of 45.6 kDa. NELFE is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**