

## PRODUCT DATA SHEET

### Neurofilament light polypeptide Human E. coli

**Cat. No.:** RD172562100

**Size:** 0.1mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

NF-L, 68 kDa neurofilament protein, Neurofilament triplet L protein, NEFL, NF68, NFL

#### Description:

Total 551 AA. MW: 62.5 kDa (calculated). UniProtKB acc.no. P07196 (Ser2-Asp543). N-terminal His-tag (9 extra AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

MKHHHHHHAS SFSYEPYYST SYKRRYVETP RVHISSVRS YSTARSAYSS YSAPVSSSL  
VRRSYSSSSG SLMPLENLD LSQVAASND LKSIRTQEK QLQDLNDRFA SFIERVHELE  
QQNKVLEAEL LVLRQKHSEP SRFRALYEQE IRDLRLAED ATNEKQALQG EREGLEETLR  
NLQARYEEEV LSREDAEGRL MEARKGADEA ALARAELEKR IDSLMDEISF LKKVHEEEIA  
ELQAQIQYAQ ISVEMDVTKP DLSAALKDIR AQYEKLAAKN MQNAEEWFKS RFTVLTESAA  
KNTDAVRAAK DEVSESRRLL KAKTLEIEAC RGMNEALEKQ LQELEDKQNA DISAMQDTIN  
KLENELRRTK SEMARYLKEY QDLLNVKMAL DIEIAAYRKL LEGETRLSF TSVGSITSGY  
SQSSQVFGRS AYGGLQTSSY LMSTRSFPSY YTSHVQEEQI EVEETIEAAK AEEAKDEPPS  
EGEAEEEEKD KEEAEEEEAA EEEEEAKEES EEAKEEEEEG EGEEGEETKE AEEEEKVEG  
AGEEQAAKKK D

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 15 mM Tris, 85 mM Glycine, pH 8.6.

#### Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.25 mg/ml and let the lyophilized pellet dissolve completely.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.