

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 RVHISVRSRG YSTARSAYSS YSAPVSSSL
VRRSYSSSSG SLMPSENLD LSQVAAISND LKSIRTQEK QLQDLNDRFA SFIERVHELE
QQNKVLEAEL LVLRQKHSEP SRFRALYEQE IRDLRLAAED ATNEKQALQG EREGLEETLR
NLQARYEEEV LSREDAEGRL MEARKGADEA ALARAELEKR IDSLMDEISF LKKVHEEEIA
ELQAQIQYAQ ISVEMDVTKP DLSAALKDIR AQYEKLAASN MQNAEEWFKS RFTVLTESAA
KNTDAVRAAK DEVSESRRLL KAKTLEIEAC RGMNEALEKQ LQLEDKQNA DISAMQDTIN
KLENELRRTK SEMARYLKEY QDLLNVKMAL DIEIAAYRKL LEGETRLSF TSVGSITSGY
SQSSQVFGRS AYGGLQTSSY LMSTRSFPSY YTSHVQEEQI EVEETIEAAK AEEAKDEPPS
EGEAEEEEKD KEEAEEEEAA EEEEEAKEES EEAKEEEEGG EGEEGEETKE AEEEEKKVEG
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.