

32-13334: NEFL Human

Alternative Name : Neurofilament light polypeptide, NF-L, NEFL, NF68, NFL, 68 kDa neurofilament protein.

Description

Source: Escherichia Coli.

Filtered White lyophilized (freeze-dried) powder.

NEFL or Neurofilament light polypeptide is a protein that is encoded through the NEFL gene. NEFL is correlated to a disease called Charcot-Marie-Tooth. The protein's light subunit is determined by immunoassays in the plasma and cerebrospinal fluid, if present, it can indicate on axonal damage in neurological diseases. By doing so, NEFL can act as a marker for Huntington's disease, Amyotrophic Lateral Sclerosis and multiple sclerosis.

NEFL Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (2-543 a.a) containing 551 amino acids including a 9 a.a N-terminal His tag. The total molecular mass is 62.5kDa (calculated).

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : NEFL filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in 15mM Tris and 85mM Glycine, pH 8.5.

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Storage condition : Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Amino Acid : MKHHHHHHAS SFSYEPYYST SYKRRYVETP RVHISSVRSG YSTARSAYSS YSAPVSSSLV VRRSYSSSSG
SLMPLENLD LSQVA AISND LKSIRTQEKA QLQDLNDRFA SFIERVHELE QQNKVLEAEL LVL RQKHSEP
SRFRALYEQE IRDLRLAAED ATNEKQALQG EREGLEETLR NLQARYEEEEV LSREDAEGRL MEARKGADEA
ALARAELEKR IDSLMDEISF LKKVHEEEIA ELQAQIQYQAQ ISVEMDVTKP DLSAALKDIR AQYEKLAACKN
MQNAEEWFKS RFTVLTESAA KNTDAVRAAK DEVSESRRLL KAKTLEIEAC RGMNEALEKQ LQELEDKQNA
DISAMQDTIN KLENELRTTK SEMARYLKEY QDLLNVKMAL DIEIAAYRKL LEGEETRLSF TSVGSITSGY
SQSSQVFGRS AYGGLOTSSY LMSTRSFPSY YTSHVQEEQI EVEETIEAAK AEEAKDEPPS EGEAEEEEKD
KEEAEEEEAA EEEEEAKEES EEAKEEEEGG EGEEGEETKE AEEEEKKVEG AGEEQAACCK D.