9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NEFL Human

Neurofilament Light Human Recombinant
RCP1482

Product Overview

Name	NEFL Human
Description	
Neurofilament Light Human Recombinant	
Accession (Primary)	P07196
Synonyms	
Neurofilament light polypeptide, NF-L, NEFL, NF68, NFL, 68 kDa neurofilament protein.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
NEFL filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in 15mM Tris and 85mM Glycine, pH 8.5.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHA S SFSYEPYYST SYKRRYVETP RVHISSVRSG YSTARSAYSS YSAPVSSSLS VRRSYSSSSG SLMPSLENLD LSQVAAISND LKSIRTQEKA QLQDLNDRFA SFIERVHELE QQNKVLEAEL LVLRQKHSEP SRFRALYEQE IRDLRLAAED ATNEKQALQG EREGLEETLR NLQARYEEEV LSREDAEGRL MEARKGADEA ALARAELEKR IDSLMDEISF LKKVHEEEIA ELQAQIQYAQ ISVEMDVTKP DLSAALKDIR AQYEKLAAKN	

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MQNAEEWFKS RFTVLTESAA KNTDAVRAAK DEVSESRRLL KAKTLEIEAC RGMNEALEKQ LQELEDKQNA DISAMQDTIN KLENELRTTK SEMARYLKEY QDLLNVKMAL DIEIAAYRKL LEGEETRLSF TSVGSITSGY SQSSQVFGRS AYGGLQTSSY LMSTRSFPSY YTSHVQEEQI EVEETIEAAK AEEAKDEPPS EGEAEEEEKD KEEAEEEEAA EEEEAAKEES EEAKEEEEGG EGEEGEETKE AEEEEKKVEG AGEEQAAKKK D.

Solubility

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.

Precautions

NEFL Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07196)