

Neurofilament light polypeptide (Nefl) Recombinant Protein | Nefl recombinant protein

Recombinant Mouse Neurofilament light polypeptide (Nefl)

CATALOG # AAA279285	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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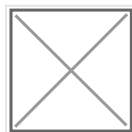
PRODUCT SYNONYMS

Neurofilament light polypeptide (Nefl); Recombinant Mouse Neurofilament light polypeptide (Nefl); NF-L; 68 kDa neurofilament protein; Neurofilament triplet L protein; Nefl recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater than 85% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8
Sequence Positions	2-543aa; Full Length of Mature Protein
Sequence	SSFGYDPYFS TSYKRRYVET PRVHISSVRS GYSTARSAYS SYSAPVSSSL SVRRSYSSSS GSLMPLENL DLSQVA AISN DLKSIRTQEK AQLQDLNDRF ASFIERVHEL EQQNKVLEAE LLVLRQKHSE PSRFRALYEQ EIRDLRLAAE DATNEKQALQ GEREGLEETL RNLQARYEEE VLSREDAEGR LMEARKGADE AALARAELEK RIDSLMDEIA FLKKVHEEEI AELQAQIQYA QISVEMDVSS KPDLSAALKD IRAQYEKLAA KNMQNAEEWF KSRFTVLTES AAKNTDAVRA AKDEVSESRR LLKAKTLEIE ACRGMNEALE KQLQELEDKQ NADISAMQDT INKLENELRS TKSEMARYLK EYQDLLNVKM ALDIEIAAYR KLEGEETRL SFTSVGSITS GYSQSSQVFG RSAYSGLQSS SYLMSARSFP AYYTSHVQEE QTEVEETIEA TKAEAAKDEP PSEGEAE EEE KEKEEGEE EEE GAE EEEAAKD ESED TKE EEE GGE GEEEDTK ESE EEEKKEE SAGEEQVAKK KD
Species	Mus musculus (Mouse)
Tag	Tag-Free
Research Area	Others
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for Nefl recombinant protein	Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks.
References	Identification of Ser-55 as a major protein kinase A phosphorylation site on the 70-KDA subunit of neurofilaments. Early turnover during axonal transport.Sihag R.K., Nixon R.A.J. Biol. Chem. 266:18861-18867(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	39204499
NCBI GeneID	18039
NCBI Accession #	NP_035040.1
NCBI GenBank Nucleotide #	NM_010910.1
UniProt Accession #	P08551; Q8K0Z0
Molecular Weight	61,508 Da
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament, light polypeptide
NCBI Official Symbol	Nefl
NCBI Official Synonym Symbols	Nfl; NF-L; NF68; CMT2E; A1847934
NCBI Protein Information	neurofilament light polypeptide
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	Nefl
UniProt Synonym Gene Names	Nf68; Nfl; NF-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.