

Product datasheet for TP313487L

NFH (NEFH) (NM_021076) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Homo sapiens neurofilament, heavy polypeptide (NEFH), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC213487 representing NM_021076
Red=Cloning site Green=Tags(s)

MMSFGGADALLGAPFAPLHGGGSLHYALARKGGAGGTRSAAGSSSGFHSWTRTSVSSVSASPSRFRGAGA
 ASSTDSLDTLSNGPEGCMVAVATSRSEKEQLQALNDRFAGYIDKVRQLEAHNRSLEGEAAALRQQQAGRS
 AMGELYEREVREMRGAVLRLGAARGQLRLEQEHLLEDIAHVRQLDDEARQREEAAAARALARFAQEA
 AARVDLQKKAQALQEECGYLRRXHQEEVGELLGQIQGSGAAQAQMQAETRDALKCDVTSALREIRAQLEG
 HAVQSTLQSEEFWRVRLDRLSEAAKVNTDAMRSAQEEITEYRRQLQARTTELEALKSTKDSLERQRSELE
 DRHQADIASYQEAIQQLDAELRNTKWEMAAQLREYQDLLNVKMLDIEIAAYRKLLEGEECRIGFGPIPF
 SLPEGLPKIPSVSTHIKVKSEEEKIKVVEKSEKETVIVVEEQTEETQVTEEVTEEEEEEKAEKEEGKEEGGE
 EEEAEGGEEETKSPPAEEAASPEKEAKSPVKEEAKSPAEEKSPEKEEAKSPAEVKSPEKAKSPAKEEAKS
 PPEAKSPEKEEAKSPAEVKSPEKAKSPAKEEAKSPAEEKSPEKAKSPVKEEAKSLAEAKSPVKEEAKSPA
 EVKSPEKAKSPTKEEAKSPEKAKSPEKEEAKSPEKAKSPVKAEEKSPEKAKSPVKAEEKSPEKAKSPVKE
 EAKSPEKAKSPVKEEAKSPEKAKSPVKEEAKTPEKAKSPVKEEAKSPEKAKSPEKAKTLDVKSPEAKTPA
 KEEARSPADKFPEKAKSPVKEEVKSPEKAKSPLKEDAKAPEKEIPKKEEVKSPVKEEKEPKQEVKVEPPK
 KAEKAPATPKTEEKKDSKKEEAPKKEAPKPKVEEKKEPAVEKPKESKVEAKKEEAEDKKKVPTPEKEA
 PAKVEVKEDAKPKTEVAKKEPDDAKAKEPSKPAEKKEAAPEKKDTKEEKAKKPEEKPKTEAKAKEDDK
 TLSKEPSKPKAEKAEKSSSTDQKDSKPPEKATEDKAAKGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

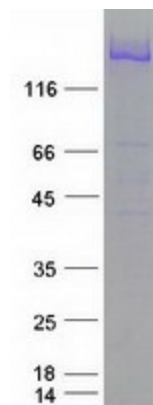
Tag: C-Myc/DDK
Predicted MW: 111.7 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_066554
Locus ID:	4744
UniProt ID:	P12036
RefSeq Size:	3695
Cytogenetics:	22q12.2
RefSeq ORF:	3060
Synonyms:	CMT2CC; NFH
Summary:	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene. [provided by RefSeq, Oct 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)

Product images:



Coomassie blue staining of purified NEFH protein (Cat# [TP313487]). The protein was produced from HEK293T cells transfected with NEFH cDNA clone (Cat# [RC213487]) using MegaTran 2.0 (Cat# [TT210002]).