

Product datasheet for TP324475L

Neurofilament (NEFM) (NM_005382) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurofilament, medium polypeptide (NEFM), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224475 representing NM_005382 Red=Cloning site Green=Tags(s)

MSYTLDSLGNPSAYRRVTETRSSFSRVSGSPSSGFRSQSWSRGSPSTVSSSYKRSMLAPRLAYSSAMLSS
AESSLDFSQSSLLNGGSGPGGDYKLSRSNEKEQLQGLNDRFAGYIEKVHYLEQQNKEIEAEIQALRQKQ
ASHAQLGDAYDQEIRELRATLEMVNHEKAQVQLDSDHLEEDIHRLKERFEEEARLRDDTEAAIRLRKDI
EEASLVKVELDKKQVSLQDEVAFLRSNHEEEVADLLAQIQASHITVERKDYLKTDISTALKEIRSQLESH
SDQNMHQAEWFKCRYAKLTEAAEQNKEAIRSAKEEIAEYRRQLQSKSIELESVRGTTKESLERQLSDIEE
RHNHDLSSYQDTIQLENELRGTKWEMARHLREYQDLLNVKMLDIEIAAYRKLLEGEETRFSTFAGSIT
GPLYTHRPPITISSKIQTKEAPKLVQHKFVEEIEETKVEDEKSEMEEALTAITEELAVSMKEEKKK
AAEEEEPEAEVEEVAACKSPVKATAPEVKEEEGEKEEEEGQEEEEEEDEGAKSDQAEEGGSEKEGSSE
KEEGEQEEGETEAE
PKSPVEEKGKSPVPKSPVEEKGKSPVPKSPVEEKGKSPVSKSPVEEKAKSPVPKSPVEEAKSKAEVKGKE
QKEEEKEVKEAPKEEKVEKKEEKPKDVPEKKAESPVKEEVAEVTITKSVKHLEKETKEEGKPLQQ
EKEKEKAGGEGGSEEEGSDKGAKGSRKEDIAVNGEVEGKEEVEQETKEKSGREEEKGVTNGLDLSPAD
EKKGGDKSEKVVTKTVEKITSEGGDGATKYITKSVTVTKVVEEHEETFEEKLVSTKKVEKVTSHAIVK
EVTQSD

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

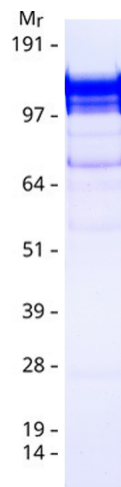
Tag:	C-Myc/DDK
Predicted MW:	102.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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:	<u>NP_005373</u>
Locus ID:	4741
UniProt ID:	<u>P07197</u>
RefSeq Size:	3238
Cytogenetics:	8p21.2
RefSeq ORF:	2748
Synonyms:	NEF3; NF-M; NFM
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 medium neurofilament protein. This protein is commonly used as a biomarker of neuronal damage. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)

Product images:



Coomassie blue staining of purified NEFM protein (Cat# [TP324475]). The protein was produced from HEK293T cells transfected with NEFM cDNA clone (Cat# [RC224475]) using MegaTran 2.0 (Cat# [TT210002]).