

Product datasheet for PH324475

Neurofilament (NEFM) (NM_005382) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NEFM MS Standard C13 and N15-labeled recombinant protein (NP_005373)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224475
Predicted MW:	102.3 kDa
Protein Sequence:	>RC224475 representing NM_005382 Red=Cloning site Green=Tags(s)

MSYTLDSLGNPSAYRRVTETRSSFSRVSGSPSSGFRSQSWSRGPSTVSSSYKRSMLAPRLAYSSAMLSS
AESSLDFSQSSLLNGGSGPGDYKLRSNEKEQLQGLNDRFAGYIEKVHYLEQQNKEIEAEIQALRQKQ
ASHAQLGDAYDQEIRELRATLEMVNHEKAQVQLSDHLEEDIHRLKERFEEEEARLRDDTEAAIRLRKDI
EEASLVKVELDKKQSLQDEVAFRLSNHEEEVADLLAQIQASHITVERKDYLKTDISTALKEIRSQLESH
SDQNMHQAEWFKCRYAKLTEAAEQNKEAIRSAKEEIAEYRRQLQSKSIELESVRGTKESLERQLSDIEE
RHNHDLSSYQDTIQQLENELRGTKWEMARHLREYQDLLNVKMLDIEIAAYRKLLEGEETRFSTFAGSIT
GPLYTHRPPITISSKIQTKEAPKLVQHKFVEEIEETKVEDEKSEMEEALTAITEELAVSMKEEKKE
AAEEEEPEAEVEEVAKKSPVKATAPEVKEEVEEVEEVEEVEEVEEVEEVEEVEEVEEVEEVEEVEEVEE
KEEGEQEEGETEAEAEGEAEAEKKEKVEEKSEEVATKEELVADAKVEKPEKAKSPVPKSPVEEKGKSPV
PKSPVEEKGKSPVPKSPVEEKGKSPVPKSPVEEKGKSPVSKSPVEEKAKSPVPKSPVEEAKSKAEVKGGE
QKEEEKEVKEAPKEEKVEKKEEKPKDVPEKKAESPVEEVAEVVITKSVKHLEKETKEEGKPLQQ
EKEKEKAGGEGGSEEGSDKGAKGSRKEDIAVNGEVEGKEEVEQETKEKSGSGREEEKGVVNTGLDLSPAD
EKKGGDKSEKVVVTKTVEKITSEGGDGTKYITKSVTVTQKVEEHEETFEELVSTKKVEKVTSHAIVK
EVTQSD

SGP TRRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_005373](#)

RefSeq Size: 3238

RefSeq ORF: 2748

Synonyms: NEF3; NF-M; NFM

Locus ID: 4741

UniProt ID: [P07197](#)

Cytogenetics: 8p21.2

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)