

Datasheet for ABIN7562937
NEFH Protein (AA 1-1090) (His tag)



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Overview

Quantity:	1 mg
Target:	NEFH
Protein Characteristics:	AA 1-1090
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEFH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nefh Protein expressed in mammalian cells.
Sequence:	<p>MMSFGSADAL LGAPFAPLHG GGSLHYLSLR KAGPGGTRSA AGSSSGFHSW ARTSVSSVSA SPSRFRGAAS STDSLDTLSN GPEGCVAAV AARSEKEQLQ ALNDRFAGYI DKVRQLEAHN RSLEGEAAAL RQQQAGRAAM GELYEREVRE MRGAVLRLGA ARGQLRLEQE HLLEDIAHVR QRLDEEARQR EEAEAAARAL ARFAQEAEAA RVELQKKAQA LQEECGYLRR HHQEEVGELL GQIQGCGAAQ AQAQAEARDA LKCDVTSALR EIRAQLEGHA VQSTLQSEEW FRVRLDRLSE AAKVNTDAMR SAQEEITEYR RQLQARTTEL EALKSTKESL ERQRSELEDR HQADIASYQD AIQQLDSELR NTKWEMAAQL REYQDLLNVK MALDIEIAAY RKLLEGEECR IGFGPSPFSL TEGLPKIPSI STHIKVKSEE MIKVVEKSEK ETVIVEGQTE EIRVTEGVTE EEDKEAQQQE GEEAEEGEEK EEEEGAAATS PPAEEAASPE KETKSRVKEE AKSPGEAKSP GEAKSPAEEK SPGEAKSPGE AKSPGEAKSP AEPKSPAEPK SPAEAKSPA E PKSPATVKSP GEAKSPSEAK SPAEAKSPA E AKSPA EAKSP AEAKSPA EAK SPAEAKSPAT VKSPGEAKSP SEAKSPA EAK SPAEAKSPA E AKSPA EVKSP GEAKSPA EPK SPAEAKSPA E VKSPA EAKSP AEVKSPGEAK</p>

Product Details

SPAAVKSPAE AKSPAAVKSP GEAKSPGEAK SPAEAKSPAE AKSPIEVKSP EKAKTPVKEG
AKSPAEEKSP EKAKSPVKED IKPPAEAKSP EKAKSPVKEG AKPPEKAKPL DVKSPEAQTP
VQEEAKHPTD IRPPEQVKSP AKEKAKSPEK EEAKTSEKVA PKKEEVKSPV KEEVKAKEPP
KKVEEEKTLP TPKTEAKESK KDEAPKEAPK PKVEEKKETP TEKPKDSTAE AKKEEAGEKK
KAVASEEETP AKLGVKEEAK PKEKTETTKT EAEDTKAKEP SKPTETEKPK KEEMPAAPEK
KDTKEEKTTE SRKPEEKPKM EAKVKEDDKS LSKEPSKPKT EKAEKSSSTD QKESQPPEKT
TEDKATKGEK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NEFH

Alternative Name: Nefh ([NEFH Products](#))

Background: Neurofilament heavy polypeptide (NF-H) (200 kDa neurofilament protein) (Neurofilament triplet H protein),FUNCTION: Neurofilaments usually contain three intermediate filament proteins:

Target Details

NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. NEFH has an important function in mature axons that is not subserved by the two smaller NF proteins. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (PubMed:22723690). {ECO:0000269|PubMed:22723690}.

Molecular Weight: 117.0 kDa

UniProt: [P19246](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months