

Datasheet for ABIN7554714  
**NEFH Protein (AA 1-1026) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NEFH
Protein Characteristics:	AA 1-1026
Origin:	Human
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:	MMSFGGADAL LGAPFAPLHG GGSLHYALAR KGGAGGTRSA AGSSSGFHSW TRTSVSSVSA SPSRFRGAGA ASSTDSDLTL SNGPEGCMVA VATSRSEKEQ LQALNDRFAG YIDKVRQLEA HNRSLEGEAA ALRQQQAGRS AMGELYEREV REMRGAVLRL GAARGQLRLE QEHLLEDIAH VRQRLDDEAR QREEAEAAAR ALARFAQEAE AARVDLQKKA QALQECCGYL RRHHQEEVGE LLGQIQGSGA AQAQMQAETR DALKCDVTSALREIRAQLEG HAVQSTLQSE EWFRVRLDRL SEAAKVNTDA MRSAQEEITE YRRQLQARTT ELEALKSTKD SLERQRSELE DRHQADIASY QEAIQQLDAE LRNTKWEMAA QLREYQDLLN VKMALDIEIA AYRKLLEGEE CRIGFGPIPF SLPEGLPKIP SVSTHIKVKSEEEKIKVVEKSEKETVIVEEQ TEETQVTEEV TEEEEKEAKE EEGKEEEGGE EEEAEGGEEE TKSPPAEEAA SPEKEAKSPV KEEAKSPA EA KSPEKEEAKS PAEVKSPEKA KSPAKEEAKS PPEAKSPEKE EAKSPA EVKS PEKAKSPA KE EAKSPA EAKS PEKAKSPVKE EAKSPA EAKS PVKEEAKSPA EVKSPEKAKS PTKEEAKSPE KAKSPEKAKS PEKEEAKSPE KAKSPVKA EA KSPEKAKSPV KAEAKSPEKA KSPVKEEAKS PEKAKSPVKE

## Product Details

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EAKSPEKAKS PVKEEAKTPE KAKSPVKEEA KSPEKAKSPE KAKTLDVKSP EAKTPAKEEA  
RSPADKFPEK AKSPVKEEVK SPEKAKSPLK EDAKAPEKEI PKKEEVKSPV KEEKPKQEVK  
VKEPPKKAEE EKAPATPKTE EKKDSKKEEA PKKEAPKPKV EEKKEPAVEK PKESKVEAKK  
EEAEDKKKVP TPEKEAPAKV EVKEDAKPKE KTEVAKKPEP DAKAKEPSKP AEKKEAAPEK  
KDTKEEKAKK PEEKPKTEAK AKEDDKTLSK EPSKPKAIEKA EKSSSTDQKD SKPPEKATED  
KAAKGK **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.**

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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.

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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.

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

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Grade: custom-made

## Target Details

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Target: NEFH

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

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Background: Neurofilament heavy polypeptide (NF-H) (200 kDa neurofilament protein) (Neurofilament triplet H protein),FUNCTION: Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. NEFH has

## Target Details

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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 (By similarity). {ECO:0000250|UniProtKB:P19246}.

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Molecular Weight: 112.5 kDa

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UniProt: [P12036](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months