



Recombinant Human NEFH Protein Product Manual

1. Product Basic Information

Product No.: REP07578

Protein Name: Neurofilament Heavy Chain (NEFH)

Aliases: NFH; NF-CMT2CC; neurofilament heavy chain; 200 kDa neurofilament protein; neurofilament heavy polypeptide; neurofilament triplet H protein; neurofilament, heavy polypeptide 200kDa

UniProt ID: P12036

UniProt Link: <https://www.uniprot.org/uniprotkb/P12036/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1-413aa)

Molecular Weight: 65.6kDa

Protein Tag: N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-413aa)

MMSFGGADALLGAPFAPLHGGGSLHYALARKGGAGGTRSAAGSSSGFHSWTRTS
VSSVSASPSRFRGAGAASSTDLSLDTLSNGPEGCMVAVATSRSEKEQLQALNDRFA
GYIDKVRQLEAHNRSLEGEAAALRQQQAGRSAMGELYEREVREMRGAVLRLGAAR
GQLRLEQEHLLEDIAHVQRQLDDEARQREEAEAAARALARFAQEAEAAARVDLQKKA
QALQEECGYLRRHHQEEVGELLGQIQGSGAAQAQMQAETRDALKCDVTSALREIR
AQLEGHAVQSTLQSEEWFRVRLDRLSEAAKVNTDAMRSAQEEITEYRRQLQARTT
ELEALKSTKDSLERQRSELEDRLHQADIASYQEAIQQLDAELRNTKWEMAAQLREYQ
DLLNVKMALDIEIAAYRKLLEGEECRI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NEFH partial protein (1-413aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. NEFH, also known as NFH or NF-CMT2CC or neurofilament heavy chain, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.