



Recombinant Rhesus macaque NEFL Protein Product Manual

1. Product Basic Information

Product No.: REP07579

Protein Name: Neurofilament Light Chain (NEFL)

Aliases: NFL; NF-NF68; CMT1F; CMT2E; CMTDIG; PPP1R110; neurofilament light chain; neurofilament triplet L protein; neurofilament protein, light chain; neurofilament, light polypeptide 68kDa; light molecular we...

UniProt ID: P07196

UniProt Link: <https://www.uniprot.org/uniprotkb/P07196/entry>

Species Source: Macaca mulatta (Rhesus macaque)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-543aa)

Molecular Weight: 62.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-543aa)

SSFSYEPYYSTSYKRRYVETPRVHISSVRSGYSTARSAYSSYSAPVSSSLSVRRSY
SSSSGSLMPLENLDLSQVA AISNDLKSIRTQEKAQLQDLNDRFASFIERVHELEQQ
NKVLEAE LLVLRQKHSEPSRFRALYEQEIRDLRLAAEDATNEKQALQGEREGLEETL
RNLQARYEEEEVLSREDAEGRLMEARKGADEAALARA ELEKRIDSLMDEIAFLKKVH
EEEIAELQAQIQY AQISVEMDVSKPDL SAALKDIRAQYEKLA AKNMQNAEEWFKSRF
TVLTESA AKNTDAVRAAKDEVSESRLLKAKTLEIEACRGMNEALEKQLQELEDKQ
NADISAMQDTINKLENELRTTKSEMARYLKEYQDLLNVKMALDIEIAAYRKLLGEET
RLSFTSVGSITSGYSQSSQVFGRSAYGGLQTSSYLMSTRSFPSYYTSHVQEEQIEV
EETIEAAKAEAAKDEPPSEGEAE EEEEEKDKEEAE EEEEEAAEEEEAAKEESEEAKEEEE
GGE GEEGEETKEAE EEEEEKKVEGAGEEQAAKKKD

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).



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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 Rhesus macaque NEFL full length of mature protein protein (2-543aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. NEFL, also known as NFL or NF-NF68 or CMT1F, 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.