

## Neurofilament, Light Polypeptide (NEFL) Recombinant Protein | NEFL recombinant protein

Recombinant Neurofilament, Light Polypeptide (NEFL)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA152122</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

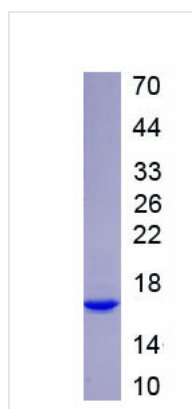
### PRODUCT SYNONYMS

Neurofilament; Light Polypeptide (NEFL); Recombinant Neurofilament; NEFL/Neurofilament; Light Polypeptide; CMT1F; CMT2E; NF-L; NF68; NFL; 68 kDa neurofilament protein; Neurofilament triplet L protein; NEFL recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                  |
| Purity/Purification                                  | Greater than 90% by SDS-PAGE                                                                                            |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. Freeze-dried powder |
| Sequence                                             | Lys281~Glu 396                                                                                                          |
| Applicable Applications for NEFL recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                |
| Expression System                                    | Prokaryotic expression                                                                                                  |
| Species                                              | Human                                                                                                                   |
| Isoelectric Point                                    | 4.8                                                                                                                     |
| Tag                                                  | N-terminal His Tag                                                                                                      |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                                           |
| Reconstitution                                       | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.                        |
| Subcellular Location                                 | Cytoplasm                                                                                                               |
| Preparation and Storage                              | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored.            |

### IMAGES



Sequence

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KSRFTVLTES AAKNTDAVRA
AKDEVSESRR LLKAKTLEIE ACRGMNEALE KQLQELEDKQ NADISAMQDT
INKLENELRT TKSEMARYLK EYQDLLNVKM ALDIETIAAYR KLLEGE

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SDS-PAGE  
SDS-PAGE

ADDITIONAL INFORMATION

|                                                        |                                                    |
|--------------------------------------------------------|----------------------------------------------------|
| Product Categories/Family for NEFL recombinant protein | Neuro science; Prokaryotic Recombinant proteins/RP |
|--------------------------------------------------------|----------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 62511894                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 4747                                                                                                                                                                                                                                                            |
| UniProt Accession #              | P07196; Q16154; Q8IU72; B9ZVN2                                                                                                                                                                                                                                  |
| Molecular Weight                 | 543                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Neurofilament light polypeptide                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | neurofilament, light polypeptide                                                                                                                                                                                                                                |
| NCBI Official Symbol             | NEFL                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | NFL; NF-L; NF68; CMT1F; CMT2E; PPP1R110                                                                                                                                                                                                                         |
| NCBI Protein Information         | neurofilament light polypeptide; neurofilament subunit NF-L; neurofilament triplet L protein; neurofilament protein, light chain; neurofilament, light polypeptide 68kDa; light molecular weight neurofilament protein; protein phosphatase 1, regulatory subun |
| UniProt Protein Name             | Neurofilament light polypeptide                                                                                                                                                                                                                                 |
| UniProt Gene Name                | NEFL                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | NF68; NFL; NF-L                                                                                                                                                                                                                                                 |
| UniProt Entry Name               | NFL_HUMAN                                                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/nefl-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/152122>