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

Recombinant Neurofilament, Light Polypeptide (NEFL)

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA152122** | **E Coli** | **Western Blot, SDS-Page** |

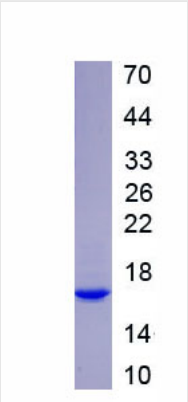
## PRODUCT SYNONYMS

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.<br>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




**SDS-PAGE**
SDS-PAGE

**Sequence**

```
                                KSRFTVLTES AAKNTDAVRA
AKDEVSESRR LLKAKTLEIE ACRGMNEALE KQLQELEDKQ NADISAMQDT
INKLENELRT TKSEMARYLK EYQDLLNVKM ALDIEIAAYR KLLEGE
```

## 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.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/nefl-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/152122