

PRODUCT INFORMATION

NEFL Target

CMT1F;CMT2E;CMTDIG;NF-L;NF68;NFL;PPP1R110 **Synonyms**

Recombinant human NEFL(89-400) protein with **Description**

N-terminal 6×His tag

Delivery In Stock **Uniprot ID** P07196 **Expression Host HEK293**

Tag N-6×His Tag

Molecular

Storage & Shipping

Background

6×His tag NEFL(Gln89-Leu400) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

36.9 kDa after removal of the signal peptide. The apparent molecular mass of His-NEFL(89-400) is approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament

protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified

on chromosome Y. [provided by RefSeq, Oct

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Usage Research use only Conjugate Unconjugated





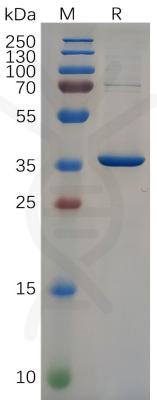


Figure 1. Human NEFL(89-400) Protein, His Tag on SDS-PAGE under reducing condition.

Human NEFL(89-400), His tagged protein ELISA

0.1 μg of Human NEFL(89-400), His tagged protein per well

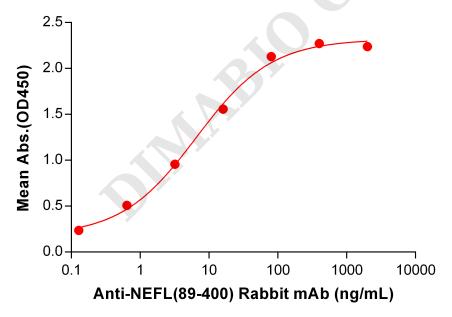


Figure 2. ELISA plate pre-coated by 1 μ g/mL (100 μ L/well) Human NEFL (89-400) Protein, His Tag (PME100648) can bind Anti-NEFL(89-400) antibody(DM199), Rabbit mAb DME100199 in a linear range of 0.128-80 ng/mL.

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