

PRODUCT INFORMATION

NEFL Target

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

Recombinant Human NEFL with C-terminal human **Description**

Fc tag In Stock P07196

Uniprot ID Expression Host HEK293

Tag C-Human Fc Tag

Molecular

Background

Delivery

NEFL(Ser2-Asp543) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

87.5 kDa after removal of the signal peptide. The **Molecular Weight** apparent molecular mass of NEFL-hFc is

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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

Storage & Shipping 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

Usage Research use only Conjugate Unconjugated







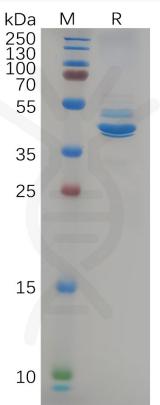


Figure 1. Human NEFL Protein, hFc Tag on SDS-PAGE under reducing condition.

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