PRODUCT INFORMATION

Target	NEFL
Synonyms	CMT1F;CMT2E;CMTDIG;NF-L;NF68;NFL;PPP1R110
Description	Recombinant Human NEFL with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P07196
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	NEFL(Ser2-Asp543) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 87.5 kDa after removal of the signal peptide. The apparent molecular mass of NEFL-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 2008]
Usage	Research use only
Conjugate	Unconjugated

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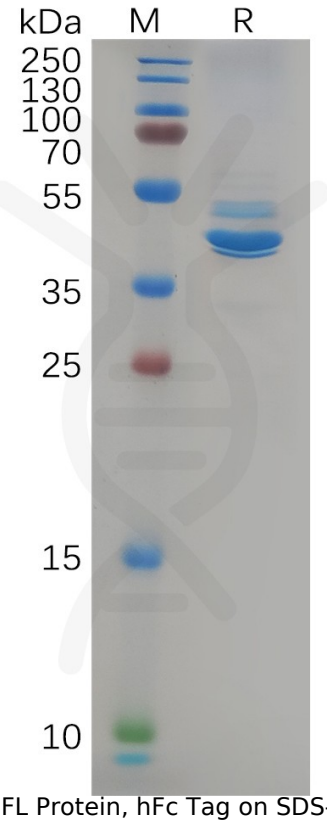


Figure 1. Human NEFL Protein, hFc Tag on SDS-PAGE under reducing condition.

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