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Recombinant Human NF-L/NEFL Protein

Catalog No.: RP03173 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4747	P07196

Tags
N-His

Synonyms
NEFL;CMT1F;CMT2E;NF-L;NF68;NFL;PPP1R110

Product Information

Source	Purification
E. coli	>90% as determined by SEC-HPLC.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (By similarity).

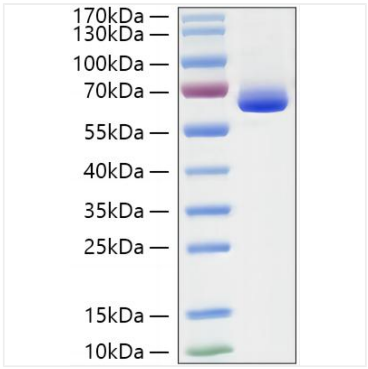
Basic Information

Description
Recombinant Human NF-L/NEFL Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser2-Asp543) of human NF-L/NEFL (Accession #NP_006149.2) fused with a 6×His tag at the N-terminus.

Bio-Activity
Immobilized Human NFL, His Tag (Cat. No. RP03173) at 1 μg/mL (100 μL/well) can bind Anti NEFL Antibody with a linear range of 0.002-0.063 μg/mL (QC tested).

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human NF-L/NEFL Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 68 kDa.