



Synonym

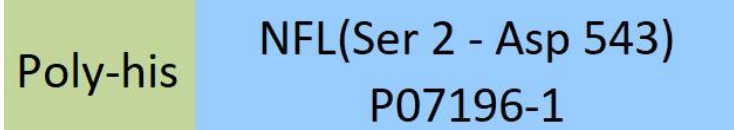
Neurofilament light polypeptide

Source

Human NFL, His Tag(NFL-H5143) is expressed from E. coli cells. It contains AA Ser 2 - Asp 543 (Accession # [P07196-1](#)).

Predicted N-terminus: Met

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 63.4 kDa.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in PBS, pH7.4 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

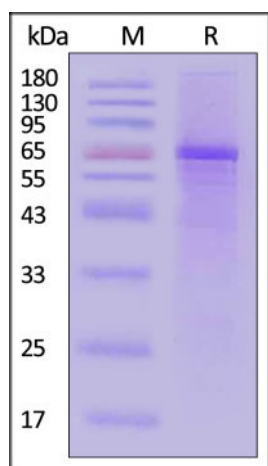
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

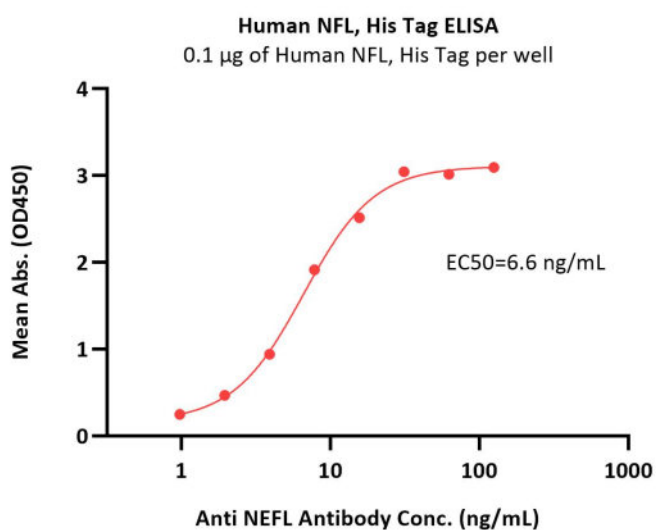
- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

SDS-PAGE



The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



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Human NFL Protein, His Tag

Catalog # NFL-H5143



BIOSYSTEMS
Acro

Immobilized Human NFL, His Tag (Cat. No. NFL-H5143) at 1 μ g/mL (100 μ L/well) can bind Anti NEFL Antibody with a linear range of 1-16 ng/mL (QC tested).

Background

Neurofilaments (NF) are classed as type IV intermediate filaments found in the cytoplasm of neurons. Together with microtubules and microfilaments, they form the neuronal cytoskeleton. Neurofilaments usually contain three intermediate filament proteins: NFL, NFM, and NFH which are involved in the maintenance of neuronal caliber. Neurofilament heavy (NFH) can server as biomarkers for several diseases by indicating axonal injury.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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