
Product Data Sheet

Product Name: NEFM
 Cat. No.: GP22888
 Batch No.: 1

Product Data

Purity	>98%	Source	Bovine Spinal Cord.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Neurofilament medium polypeptide; NF-M; Neurofilament triplet M protein; 160 kDa neurofilament protein; Neurofilament 3; NEFM; NEF3; NFM.		
Solubility	It is recommended to reconstitute the lyophilized NEFM in sterile 18MΩ-cm H ₂ O.		
Formulation	The protein was lyophilized from a 1mg/ml solution containing 10mM sodium phosphate, pH-7.5, 2mM DTT, 6M urea, 10mM methylammonium chloride and 1mM EDTA.		

Introduction

Neurofilaments are type IV intermediate filament heteropolymers that are composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber and may also have a role in intracellular transport to axons and dendrites. NeuroFilament 160kDa is a medium neurofilament protein, which is commonly used as a biomarker of neuronal damage.

Stability

Lyophilized NEFM although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution NEFM should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

Ultra Pure NeuroFilament Protein having a Molecular mass of 160 kDa produced from Bovine Spinal Cord.

Caution: Product has not been fully validated for medical applications. For research use only.

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