9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# NEFM

*Neurofilament Medium Polypeptide Bovine*
*NTP0046*

## Product Overview

| | |
|---|---|
| Name | NEFM |
| **Description** | |
| Neurofilament Medium Polypeptide Bovine | |
| Accession (Primary) | O77788 |
| **Synonyms** | |
| Neurofilament medium polypeptide, NF-M, Neurofilament triplet M protein, 160 kDa neurofilament protein, Neurofilament 3, NEFM, NEF3, NFM. | |
| **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. | |
| **Source** | |
| Bovine Spinal Cord. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **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. | |
| **Stability** | |
| Store the lyophilized NEFM between 2-8°C, do not freeze. Upon reconstitution NEFM should be stored below -18°C. Please prevent freeze-thaw cycles. | |
| **Purity** | |
| Greater than 95.0% as determined by SDS-PAGE. | |
| **Solubility** | |
| It is recommended to reconstitute the lyophilized NEFM in sterile 18MΩ-cm H2O. | |
| **Precautions** | |
| NEFM is for research use only and not for use in diagnostic or therapeutic procedures. | |

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# Target Information: ( O77788 )