

Recombinant Human NEFM Protein, His-tagged

Cat. No. NEFM-2485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEFM Protein (Met1-Ser358) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser358
Description	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the medium neurofilament protein. This protein is commonly used as a biomarker of neuronal damage. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.5 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	NEFM neurofilament, medium polypeptide [Homo sapiens (human)]
Official Symbol	NEFM
Synonyms	NEFM; neurofilament, medium polypeptide; NEF3, neurofilament, medium polypeptide 150kDa; neurofilament medium polypeptide; NF M; NFM; neurofilament 3; 160 kDa neurofilament protein; neurofilament triplet M protein; neurofilament-3 (150 kD medium); neurofilament, medium polypeptide 150kDa; NEF3; NF-M;
Gene ID	4741
mRNA Refseq	NM_001105541
Protein Refseq	NP_001099011

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MIM	162250
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UniProt ID	P07197
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