

Recombinant Human NEFM protein, His-tagged

Cat. No. NEFM-6816H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEFM aa. (Leu105~Gln287) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu105~Gln287
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	26kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.5.

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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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	NEFM neurofilament medium [Homo sapiens (human)]
Official Symbol	NEFM
Synonyms	NFM; NEF3; NF-M; 160 kDa neurofilament protein; neurofilament 3; neurofilament triplet M protein; neurofilament, medium polypeptide 150kDa; neurofilament-3 (150 kD medium); neurofilament medium polypeptide
Gene ID	4741
mRNA Refseq	NM_001105541.1

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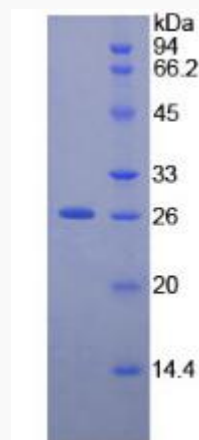
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Protein Refseq NP_001099011.1

UniProt ID Q9UK51

SDS-PAGE



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