

Recombinant Mouse Nenf Protein, Myc/DDK-tagged

Cat. No. Nenf-4375M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length neuron derived neurotrophic factor (Nenf), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a neurotrophic factor in postnatal mature neurons, enhancing neuronal survival. Promotes cell proliferation and neurogenesis in undifferentiated neural progenitor cells at the embryonic stage and inhibits differentiation of astrocytes. Its neurotrophic activity is exerted via MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT pathways. Neurotrophic activity is enhanced by binding to heme. Acts also as an anorexigenic neurotrophic factor that contributes to energy balance.
Molecular Mass	19.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Nenf neuron derived neurotrophic factor \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Nenf](#)

Synonyms NENF; neuron derived neurotrophic factor; neudesin; SCIRP10-related protein; neuron-derived neurotrophic factor; secreted protein of unknown function; Spinal cord injury related protein 10; Spuf; SCIRP10; 1110060M21Rik

Gene ID [66208](#)

mRNA Refseq [NM_025424](#)

Protein Refseq [NP_079700](#)

UniProt ID [Q9CQ45](#)

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