

Product datasheet for TP501443

Nenf (NM_025424) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse neuron derived neurotrophic factor (Nenf), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201443 representing NM_025424 Red=Cloning site Green=Tags(s)
	MARPAPWWRLRLLAALVLALALVPVPSAWAGQTPRPAERGPPVRLFTEEELARYGGEEEDQPIYLAVKGV VFDVTSKGKEYGRGAPYNALAGKDSSRGVAKMSLDPADLTHDTTGLTAKELEALDDVFSKVYKAKYPIVG YTARRILNEDGSPNLDFKPEDQPHFDIKDEF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	19.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_079700
Locus ID:	66208
UniProt ID:	Q9CQ45
RefSeq Size:	658
Cytogenetics:	1 H6



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RefSeq ORF: 513

Synonyms: 1110060M21Rik; SCIRP10; Spuf

Summary: Acts as a neurotrophic factor in postnatal mature neurons, enhancing neuronal survival (PubMed:15605373). Promotes cell proliferation and neurogenesis in undifferentiated neural pro-genitor cells at the embryonic stage and inhibits differentiation of astrocyte (PubMed:16547973). Its neurotrophic activity is exerted via MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT pathways (PubMed:15605373, PubMed:16547973). Neurotrophic activity is enhanced by binding to heme (PubMed:18056703). Acts also as an anorexigenic neurotrophic factor that contributes to energy balance (PubMed:23576617).[UniProtKB/Swiss-Prot Function]