

Product datasheet for **MC205024**

Nenf (NM_025424) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nenf (NM_025424) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nenf
Synonyms:	1110060M21Rik; SCIRP10; Spuf
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC048464 GCTCCTCGTGTCTATGGCGCGCCCGCGCCCTGGTGGCGGCTGCGGCTGCTGGCGGCGCTCGTCCTGGC GCTGGCTCTGGTCCCAGTGCCCTCAGCCTGGGCTGGGCAGACGCCGCGCCCGCAGAGCGGGGCCCGG GTGCGGCTCTTACCGAGGAGGAGCTGGCCCGCTACGGCGGCGAGGAGGAGATCAGCCATCTACTTGG CAGTGAAGGGAGTGTTGATGTACCTCTGGGAAGGAGTTTTATGGACGAGGAGCCCTACAATGC CTTGGCCGGAAGGACTCCAGCAGAGGTGTGGCCAAGATGCTACTGGATCCAGCAGACCTCACTCACGAC ACTACTGGTCTCACGGCCAAGGAGCTGGAGGCCCTCGATGACGTCTTCAGCAAGGTGTACAAAGCCAAGT ACCCCATTTGGCTACACAGCCCGAAGGATCCTCAACGAGGATGGCAGCCCAACCTGGACTTCAAGCC TGAAGACCAGCCCATTTGACATAAAGGACGAATTCTGATGTCTAGCTGAGAAGCAGCCGGTTCTAGGG AGAAGTGAGGGGACAGGAGTTAAGTGCCCTCGGAACAAGCGGAGGAAGCCTCCGAGTGCCTGCAGCTG AATAAAGCGAATGTTAACTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Sfil-Sfil
ACCN:	NM_025424
Insert Size:	516 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC048464](#), [AAH48464](#)

RefSeq Size: 681 bp

RefSeq ORF: 516 bp

Locus ID: 66208

UniProt ID: [Q9CQ45](#)

Cytogenetics: 1 H6

Gene Summary: Acts as a neurotrophic factor in postnatal mature neurons, enhancing neuronal survival (PubMed:15605373). Promotes cell proliferation and neurogenesis in undifferentiated neural pro-generator 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]