

Product datasheet for **RR205917L4V**

Nenf (NM_001002851) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nenf (NM_001002851) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Nenf
Synonyms:	SCIRP10; Spuf
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001002851
ORF Size:	513 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR205917).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001002851.1 , NP_001002851.1
RefSeq Size:	682 bp
RefSeq ORF:	516 bp
Locus ID:	289380
UniProt ID:	Q6IUR5
Cytogenetics:	13q27



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Gene Summary:

Acts as a neurotrophic factor in postnatal mature neurons, enhancing neuronal survival. Promotes cell proliferation and neurogenesis in undifferentiated neural pro-genitor cells at the embryonic stage and inhibits differentiation of astrocyte. 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.[UniProtKB/Swiss-Prot Function]