Product datasheet for RR214992L3V

Npy (NM_012614) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Npy (NM_012614) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Npy
Synonyms:	NPY02; RATNPY; RATNPY02
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012614
ORF Size:	294 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214992).
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_012614.2, NP_036746.1
RefSeq Size:	567 bp
RefSeq ORF:	297 bp
Locus ID:	24604
UniProt ID:	P07808
Cytogenetics:	4q24

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Gene Summary: This gene encodes a neuropeptide that is widely expressed in the central nervous system and influences many physiological processes, including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. Studies in the rat model of depression (Flinders Sensitive Line) show that this gene is downregulated in the hippocampus and the prefrontal cortex compared to the control ((Flinders Resistant Line). Alternatively spliced transcript variants of this gene have been described, but the function of all the variants is not known. [provided by RefSeq, Jul 2012]