

Product datasheet for **MR226370L4V**

Npy (NM_023456) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Npy (NM_023456) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Npy
Synonyms:	0710005A05Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023456
ORF Size:	291 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226370).
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_023456.2
RefSeq Size:	561 bp
RefSeq ORF:	294 bp
Locus ID:	109648
UniProt ID:	P57774
Cytogenetics:	6 24.04 cM



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Gene Summary:

This gene encodes a neuropeptide that plays a pivotal role in many physiological functions such as food intake, energy homeostasis, circadian rhythm, and cognition. The encoded protein precursor undergoes proteolytic processing to generate the biologically active peptide. Mice lacking the encoded protein exhibit mild seizures occasionally and become hyperphagic following food deprivation. A deficiency of the encoded protein partially prevents mice lacking leptin from becoming obese. [provided by RefSeq, Oct 2015]