

## Product datasheet for **MR219795L4V**

### **Pth2 (NM\_053256) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Pth2 (NM_053256) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pth2
Synonyms:	Tifp; Tifp39; TIP; Tip39
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_053256
ORF Size:	300 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219795).
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. <a href="#">More info</a>
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:	<a href="#">NM_053256.2</a> , <a href="#">NP_444486.1</a>
RefSeq Size:	569 bp
RefSeq ORF:	303 bp
Locus ID:	114640
UniProt ID:	<a href="#">Q91W27</a>
Cytogenetics:	7 B3



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**Gene Summary:**

This gene encodes the precursor of a peptide hormone that shares sequence similarity with the parathyroid hormone. This gene is expressed in various regions of the brain where it plays a role in the release of pituitary hormones, anxiety and nociception. The encoded precursor protein is proteolytically processed to generate the biologically active neuropeptide. Mice lacking the encoded protein display increased fear and anxiety after exposure to stressful events, and decreased sensitivity to pain. [provided by RefSeq, Aug 2015]