

## Product datasheet for **MR227498L3V**

### Enpp1 (NM\_008813) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

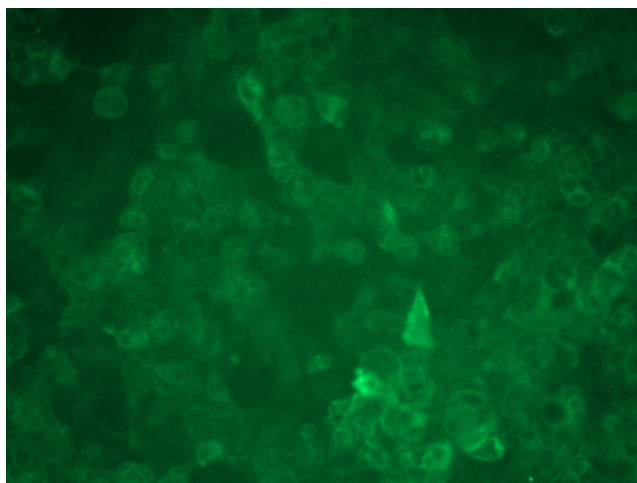
Product Type:	Lentiviral Particles
Product Name:	Enpp1 (NM_008813) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Enpp1
Synonyms:	4833416E15Rik; AI428932; C76301; CD203c; E-N; E-NPP 1; E-NPP1; Ly-4; Ly-41; M6S1; N; NPP1; Npps; P; PC-; PC-1; Pca; Pca-1; Pd; Pdnpp1; ttw; twy
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008813
ORF Size:	2715 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227498).
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_008813.3</a> , <a href="#">NP_032839.3</a>
RefSeq Size:	3224 bp
RefSeq ORF:	2718 bp
Locus ID:	18605
Cytogenetics:	10 12.26 cM



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**Gene Summary:**

This gene encodes a member of the nucleoside pyrophosphatase/phosphodiesterase family of enzymes that catalyzes the hydrolysis of pyrophosphate and phosphodiester bonds in nucleotide triphosphates and oligonucleotides, respectively, to generate nucleoside 5'-monophosphates. The encoded protein is a type II transmembrane glycoprotein that negatively regulates bone mineralization. Mice harboring a nonsense mutation in this gene, termed tiptoe walking (ttw), exhibit ectopic ossification of the spinal ligaments. The encoded protein binds to the insulin receptor, inhibits downstream signaling events and induces insulin resistance and glucose tolerance. This gene is located adjacent to a paralog on chromosome 10. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

**Product images:**

[MR227498L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR227498L3V particle to overexpress human Enpp1-Myc-DDK fusion protein.