

Product datasheet for **MR208901L4V**

TPP1 (NM_009906) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tpp1 (NM_009906) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tpp1
Synonyms:	Cl; Cln2; LPIC; TPP-1; TPP-I
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009906
ORF Size:	1689 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208901).
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_009906.2
RefSeq Size:	3494 bp
RefSeq ORF:	1689 bp
Locus ID:	12751
UniProt ID:	O89023
Cytogenetics:	7 55.97 cM



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Gene Summary:

This gene encodes a lysosomal serine protease that cleaves N-terminal tripeptides from protein substrates. The encoded preproprotein undergoes autocatalytic processing to generate a mature enzyme. Mice lacking the encoded protein exhibit a progressive neurodegeneration and a greatly shortened lifespan. At the cellular level, mice lacking the encoded protein exhibit accumulation of autofluorescent lipopigments. Mutations in the human ortholog of this gene cause classical late-infantile neuronal ceroid lipofuscinosis. [provided by RefSeq, Nov 2015]