

## Product datasheet for **RC210596L4V**

### **PITRM1 (NM\_014889) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PITRM1 (NM_014889) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PITRM1
Synonyms:	MP1; PreP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014889
ORF Size:	3111 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210596).
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_014889.2</a>
RefSeq Size:	3505 bp
RefSeq ORF:	3114 bp
Locus ID:	10531
UniProt ID:	<a href="#">Q5JRX3</a>
Cytogenetics:	10p15.2
Domains:	Peptidase_M16_C
Protein Families:	Druggable Genome, Protease



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**MW:** 117.5 kDa

**Gene Summary:** The protein encoded by this gene is an ATP-dependent metalloprotease that degrades post-cleavage mitochondrial transit peptides. The encoded protein binds zinc and can also degrade amyloid beta A4 protein, suggesting a possible role in Alzheimer's disease. [provided by RefSeq, Dec 2016]