

## Product datasheet for **MR227070L4V**

### Pappa (NM\_021362) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Pappa (NM_021362) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pappa
Synonyms:	8430414N03Rik; IGFBP-4ase; PAG1; PAPP-A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021362
ORF Size:	4872 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227070).
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_021362.1</a> , <a href="#">NP_067337.1</a>
RefSeq Size:	11027 bp
RefSeq ORF:	4875 bp
Locus ID:	18491
UniProt ID:	<a href="#">Q8R4K8</a>
Cytogenetics:	4 34.14 cM



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**Gene Summary:**

Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF. Isoform 2 cleaves IGFBP-4 very slowly compared to PAPP-A, but its ability to cleave IGFBP-5 is unaffected.  
[UniProtKB/Swiss-Prot Function]