

## Product datasheet for **MR216659L4V**

### **Ppie (NM\_019489) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ppie (NM_019489) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ppie
Synonyms:	2010010D16Rik; Cyp33
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019489
ORF Size:	903 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216659).
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_019489.5</a>
RefSeq Size:	1168 bp
RefSeq ORF:	906 bp
Locus ID:	56031
UniProt ID:	<a href="#">Q9QZH3</a>
Cytogenetics:	4 D2.2



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**Gene Summary:**

Involved in pre-mRNA splicing as component of the spliceosome. Combines RNA-binding and PPIase activities. Binds mRNA and has a preference for single-stranded RNA molecules with poly-A and poly-U stretches, suggesting it binds to the poly(A)-region in the 3' UTR of mRNA molecules. Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins. Inhibits KMT2A activity; this requires proline isomerase activity.[UniProtKB/Swiss-Prot Function]