

## Product datasheet for **MR200307L4V**

### **Psenen (NM\_025498) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Psenen (NM_025498) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Psenen
Synonyms:	1700023M09Rik; Pen-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025498
ORF Size:	306 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200307).
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_025498.2</a>
RefSeq Size:	670 bp
RefSeq ORF:	306 bp
Locus ID:	66340
UniProt ID:	<a href="#">Q9CQR7</a>
Cytogenetics:	7 B1



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**Gene Summary:**

Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein) (PubMed:12522139, PubMed:24941111). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels (Probable). PSENEN modulates both endoproteolysis of presenilin and gamma-secretase activity (PubMed:12522139, PubMed:24941111).[UniProtKB/Swiss-Prot Function]