

## Product datasheet for **MR207152L4V**

### **Psen2 (NM\_001128605) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	Psen2 (NM_001128605) Mouse Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	Psen2
<b>Synonyms:</b>	Ad4; Ad4h; ALG; ALG-3; Alg3; P; PS; PS-2; PS2; Psnl2; STM2
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-mGFP-P2A-Puro (PS100093)
<b>Tag:</b>	mGFP
<b>ACCN:</b>	NM_001128605
<b>ORF Size:</b>	1347 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(MR207152).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_001128605.1</a> , <a href="#">NP_001122077.1</a>
<b>RefSeq Size:</b>	2017 bp
<b>RefSeq ORF:</b>	1347 bp
<b>Locus ID:</b>	19165
<b>UniProt ID:</b>	<a href="#">Q61144</a>
<b>Cytogenetics:</b>	1 84.19 cM



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**Gene Summary:**

This gene encodes a member of the presenilin family. Presenilins are catalytic components of the multi-subunit gamma-secretase complex, which mediates critical cellular processes through cleavage of type I transmembrane proteins including Notch receptors and the amyloid precursor protein. The encoded protein contains eight transmembrane domains and is localized to the endoplasmic reticulum, where it may play a role in calcium homeostasis. Following assembly of the gamma-secretase complex, the encoded protein is cleaved into N- and C-terminal fragments and the activated complex is released from the endoplasmic reticulum. Inactivation of this gene results in impaired synaptic function in a mouse model for Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Apr 2011]