

## Product datasheet for **MR222868L4V**

### Patj (NM\_001005787) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Patj (NM_001005787) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Patj
Synonyms:	C; Cipp; I; Inadl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001005787
ORF Size:	1746 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222868).
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_001005787.1</a> , <a href="#">NP_001005787.1</a>
RefSeq Size:	2898 bp
RefSeq ORF:	1749 bp
Locus ID:	12695
UniProt ID:	<a href="#">Q63ZW7</a>
Cytogenetics:	4 C6



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**Gene Summary:**

This gene encodes a multivalent PDZ domain protein, which is expressed exclusively in brain and kidney. This protein selectively interacts with inward rectifier K<sup>+</sup> (Kir) family members, N-methyl-D-aspartate receptor subunits, neurexins and neuroligins, as well as cell surface molecules enriched in synaptic membranes. Thus, this protein may serve as a scaffold that brings structurally diverse but functionally connected proteins into close proximity at the synapse. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]