

## Product datasheet for **RC224752L2V**

### MPP5 (NM\_022474) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MPP5 (NM_022474) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MPP5
Synonyms:	PALS1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_022474
ORF Size:	2025 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224752).
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_022474.2</a>
RefSeq Size:	5608 bp
RefSeq ORF:	2028 bp
Locus ID:	64398
UniProt ID:	<a href="#">Q8N3R9</a>
Cytogenetics:	14q23.3
Domains:	SH3, PDZ, L27, Guanylate_kin, GuKc
Protein Families:	Druggable Genome



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**Protein Pathways:** Tight junction

**MW:** 77.3 kDa

**Gene Summary:** This gene encodes a member of the p55-like subfamily of the membrane-associated guanylate kinase (MAGUK) gene superfamily. The encoded protein participates in the polarization of differentiating cells, has been shown to regulate myelinating Schwann cells (PMID: 20237282), and is one of the components of the Crumbs complex in the retina. Mice which express lower levels of the orthologous protein have retinal degeneration and impaired vision (PMID: 22114289). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]