

Product datasheet for **RR208546L4V**

Tmem55a (Pip4p2) (NM_001024900) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tmem55a (Pip4p2) (NM_001024900) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Pip4p2
Synonyms:	RGD1306225; Tmem55a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001024900
ORF Size:	771 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208546).
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. More info
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:	NM_001024900.1 , NP_001020071.1
RefSeq Size:	2255 bp
RefSeq ORF:	774 bp
Locus ID:	362490
UniProt ID:	Q4V888
Cytogenetics:	5q13



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Gene Summary:

Catalyzes the hydrolysis of phosphatidylinositol-4,5-bisphosphate (PtdIns-4,5-P₂) to phosphatidylinositol-4-phosphate (PtdIns-4-P) (By similarity). Does not hydrolyze phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-bisphosphate, inositol 3,5-bisphosphate, inositol 3,4-bisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity). Negatively regulates the phagocytosis of large particles by reducing phagosomal phosphatidylinositol 4,5-bisphosphate accumulation during cup formation (By similarity). [UniProtKB/Swiss-Prot Function]