

## Product datasheet for **MR222207L4V**

### Ptgfrn (NM\_011197) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptgfrn (NM_011197) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptgfrn
Synonyms:	4833445A08Rik; AU042434; CD9P-1; FPRP; Trim45
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011197
ORF Size:	2640 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222207).
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_011197.3</a> , <a href="#">NP_035327.2</a>
RefSeq Size:	5786 bp
RefSeq ORF:	2640 bp
Locus ID:	19221
UniProt ID:	<a href="#">Q9WV91</a>
Cytogenetics:	3 F2.2



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**Gene Summary:**

Inhibits the binding of prostaglandin F2-alpha (PGF2-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. Functional coupling with the prostaglandin F2-alpha receptor seems to occur (By similarity). In myoblasts, associates with tetraspanins CD9 and CD81 to prevent myotube fusion during muscle regeneration. [UniProtKB/Swiss-Prot Function]