

Product datasheet for **MR210726L4V**

Pi4kb (NM_175356) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pi4kb (NM_175356) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pi4kb
Synonyms:	ESTM41; PI4K-beta; PI4Kbeta; Pik4cb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175356
ORF Size:	2406 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210726).
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_175356.1 , NP_780565.2
RefSeq Size:	3786 bp
RefSeq ORF:	2406 bp
Locus ID:	107650
UniProt ID:	Q8BKC8
Cytogenetics:	3 F2.1



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Gene Summary:

Phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). May regulate Golgi disintegration/reorganization during mitosis, possibly via its phosphorylation (By similarity). Involved in Golgi-to-plasma membrane trafficking (By similarity).[UniProtKB/Swiss-Prot Function]