

Product datasheet for **MR209333L4V**

PIk1 (NM_011121) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIk1 (NM_011121) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	PIk1
Synonyms:	P; PIk; STPK; STPK13
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011121
ORF Size:	1812 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209333).
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_011121.3
RefSeq Size:	2203 bp
RefSeq ORF:	1812 bp
Locus ID:	18817
UniProt ID:	Q07832
Cytogenetics:	7 65.52 cM



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Gene Summary:

The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and may play a role in DNA replication during S phase. This gene is expressed in all embryonic tissues, but restricted to thymus and ovaries in adult tissues. Homozygous knockout mice were embryonic lethal, suggesting that this gene is important for early embryonic development. This gene is thought to be a potential oncogene because it is overexpressed in a variety of tumors and tumor cell lines. Depletion of this protein in cancer cells has been shown to inhibit cell proliferation and suppress oncogenic transformation; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015]