

## Product datasheet for **MR224971L3V**

### **Pik3r4 (NM\_001081309) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Pik3r4 (NM_001081309) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pik3r4
Synonyms:	2210010015Rik; C85833; C730038E05Rik; D9Ertd418e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001081309
ORF Size:	4077 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224971).
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_001081309.1</a> , <a href="#">NP_001074778.1</a>
RefSeq Size:	4884 bp
RefSeq ORF:	4077 bp
Locus ID:	75669
UniProt ID:	<a href="#">Q8VD65</a>
Cytogenetics:	9 56.79 cM



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**Gene Summary:**

Regulatory subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2 (By similarity). [UniProtKB/Swiss-Prot Function]