

## Product datasheet for **MR221761L3V**

### **Ak4 (NM\_001177602) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ak4 (NM_001177602) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ak4
Synonyms:	Ak-3; Ak-4; Ak3; Ak3l1; AK 4; D4Ertd274e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001177602
ORF Size:	669 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221761).
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_001177602.1</a> , <a href="#">NP_001171073.1</a>
RefSeq Size:	5136 bp
RefSeq ORF:	672 bp
Locus ID:	11639
UniProt ID:	<a href="#">Q9WUR9</a>
Cytogenetics:	4 46.84 cM



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**Gene Summary:**

Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Efficiently phosphorylates AMP and dAMP using ATP as phosphate donor, but phosphorylates only AMP when using GTP as phosphate donor. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]