

Product datasheet for **MR201819L4V**

Akirin1 (NM_023423) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Akirin1 (NM_023423) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Akirin1
Synonyms:	6330407G11Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023423
ORF Size:	576 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201819).
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_023423.3 , NP_075912.2
RefSeq Size:	2383 bp
RefSeq ORF:	576 bp
Locus ID:	68050
UniProt ID:	Q99LF1
Cytogenetics:	4 D2.2



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Gene Summary:

Functions as signal transducer for MSTN during skeletal muscle regeneration and myogenesis (PubMed:19406121, PubMed:18255059). May regulates chemotaxis of both macrophages and myoblasts by reorganising actin cytoskeleton, leading to more efficient lamellipodia formation via a PI3 kinase dependent pathway (PubMed:19406121).[UniProtKB/Swiss-Prot Function]