

Product datasheet for **MR219334L4V**

Marcksl1 (NM_010807) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Marcksl1 (NM_010807) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Marcksl1
Synonyms:	AL022768; AW215397; AW536807; D4Bc1; F52; MacMARCKS; Macs2; Macs3; Mlp; Mrp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010807
ORF Size:	603 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219334).
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_010807.4 , NP_034937.1
RefSeq Size:	1611 bp
RefSeq ORF:	603 bp
Locus ID:	17357
UniProt ID:	P28667
Cytogenetics:	4 63.26 cM



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Gene Summary:

Involved in the control of cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation (PubMed:22751924). When unphosphorylated, induces cell migration (PubMed:22751924). When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration (PubMed:22751924). May be involved in coupling the protein kinase C and calmodulin signal transduction systems (Probable).
[UniProtKB/Swiss-Prot Function]