

Product datasheet for **MR221683L3V**

Lima1 (NM_023063) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lima1 (NM_023063) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lima1
Synonyms:	Eplin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_023063
ORF Size:	1779 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221683).
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_023063.3 , NP_075550.2
RefSeq Size:	4110 bp
RefSeq ORF:	1782 bp
Locus ID:	65970
Cytogenetics:	15 56.13 cM


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Gene Summary:

Actin-binding protein involved in actin cytoskeleton regulation and dynamics. Increases the number and size of actin stress fibers and inhibits membrane ruffling. Inhibits actin filament depolymerization. Bundles actin filaments, delays filament nucleation and reduces formation of branched filaments (By similarity). Plays a role in cholesterol homeostasis. Influences plasma cholesterol levels through regulation of intestinal cholesterol absorption. May act as a scaffold protein by regulating NPC1L1 transportation, an essential protein for cholesterol absorption, to the plasma membrane by recruiting MYO5B to NPC1L1, and thus facilitates cholesterol uptake (PubMed:29880681).[UniProtKB/Swiss-Prot Function]