

Product datasheet for **MR201457L4V**

MyI12b (NM_023402) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MyI12b (NM_023402) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	MyI12b
Synonyms:	1500001M02Rik; C77744; Mylc2b; RLC-B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023402
ORF Size:	519 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201457).
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_023402.1 , NP_075891.1
RefSeq Size:	939 bp
RefSeq ORF:	519 bp
Locus ID:	67938
UniProt ID:	Q3THE2
Cytogenetics:	17 E1.3



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Gene Summary:

Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.[UniProtKB/Swiss-Prot Function]