

### **Product datasheet for MR222142L3**

# Myl1 (NM 001113387) Mouse Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Myl1 (NM\_001113387) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Myl1

Synonyms: Al325107; D12Mgi4; MLC1; MLC1f; MLC3; MLC3f; Myl; Mylf

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR222142).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001113387

ORF Size: 450 bp



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#### Myl1 (NM\_001113387) Mouse Tagged Lenti ORF Clone - MR222142L3

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001113387.1</u>, <u>NP 001106858.1</u>

RefSeq Size: 826 bp
RefSeq ORF: 453 bp
Locus ID: 17901
UniProt ID: P05977

Cytogenetics: 1 33.71 cM

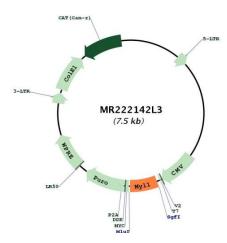
**Gene Summary:** Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two

non-phosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided

by RefSeq, Jul 2008]



## **Product images:**



Circular map for MR222142L3