

## Product datasheet for **RC201080L2V**

### MYL9 (NM\_181526) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | MYL9 (NM_181526) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | MYL9   |
| Synonyms:                 | LC20; MLC-2C; MLC2; MMIHS4; MRLC1; MYRL2   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_181526  |
| ORF Size:                 | 354 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC201080).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_181526.1</a>  |
| RefSeq Size:              | 1054 bp  |
| RefSeq ORF:               | 357 bp   |
| Locus ID:                 | 10398  |
| UniProt ID:               | <a href="#">P24844</a>   |
| Cytogenetics:             | 20q11.23   |
| Protein Pathways:         | Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction, Vascular smooth muscle contraction   |



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**MW:** 13.9 kDa

**Gene Summary:** Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]