

## Product datasheet for **MR227673L4V**

### Mmp19 (NM\_021412) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Mmp19 (NM_021412) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Mmp19  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_021412  |
| ORF Size:                 | 1581 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR227673).   |
| 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_021412.2</a> , <a href="#">NP_067387.1</a>  |
| RefSeq Size:              | 3410 bp  |
| RefSeq ORF:               | 1584 bp  |
| Locus ID:                 | 58223  |
| UniProt ID:               | <a href="#">Q9JHI0</a>   |
| Cytogenetics:             | 10 77.16 cM  |



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**Gene Summary:**

This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein develop a diet-induced obesity due to adipocyte hypertrophy, exhibit decreased susceptibility to chemical carcinogen-induced skin tumors and early onset of tumoral angiogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]