

## Product datasheet for **MR226519L4V**

### Mep1b (NM\_008586) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Mep1b (NM_008586) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Mep1b  |
| Synonyms:                 | Mep-1b   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_008586  |
| ORF Size:                 | 2112 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR226519).   |
| 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_008586.2</a> , <a href="#">NP_032612.2</a>  |
| RefSeq Size:              | 2286 bp  |
| RefSeq ORF:               | 2115 bp  |
| Locus ID:                 | 17288  |
| UniProt ID:               | <a href="#">Q61847</a>   |
| Cytogenetics:             | 18 11.81 cM  |



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**Gene Summary:**

Membrane metallopeptidase that sheds many membrane-bound proteins. Exhibits a strong preference for acidic amino acids at the P1' position (PubMed:11278902). Known substrates include: FGF19, VGFA, IL1B, IL18, procollagen I and III, E-cadherin, KLK7, gastrin, ADAM10, tenascin-C. The presence of several pro-inflammatory cytokine among substrates implicate MEP1B in inflammation. It is also involved in tissue remodeling due to its capability to degrade extracellular matrix components (By similarity).[UniProtKB/Swiss-Prot Function]