

Product datasheet for **MR222831L4V**

Dmc1 (NM_010059) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Dmc1 (NM_010059) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Dmc1 |
| Synonyms: | Dmc1h; Lim15; Mei1; Mei11; sg; sgdp |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_010059 |
| ORF Size: | 1020 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR222831). |
| 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_010059.3 , NP_034189.1 |
| RefSeq Size: | 2227 bp |
| RefSeq ORF: | 1023 bp |
| Locus ID: | 13404 |
| UniProt ID: | Q61880 |
| Cytogenetics: | 15 37.79 cM |



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Gene Summary:

This gene encodes a member of the superfamily of recombinases (also called DNA strand-exchange proteins). Recombinases are important for repairing double-strand DNA breaks during mitosis and meiosis. This protein, which is evolutionarily conserved, is reported to be essential for meiotic homologous recombination and may thus play an important role in generating diversity of genetic information. In mouse, deficiency of this gene causes infertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]