

## Product datasheet for **RR200083L3V**

### Gmcl1 (NM\_001010956) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Gmcl1 (NM_001010956) Rat Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Gmcl1  |
| Synonyms:                 | Gcl  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001010956   |
| ORF Size:                 | 1479 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RR200083).   |
| 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_001010956.3</a> , <a href="#">NP_001010956.1</a>  |
| RefSeq Size:              | 1952 bp  |
| RefSeq ORF:               | 1482 bp  |
| Locus ID:                 | 312516   |
| Cytogenetics:             | 4q34   |



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**Gene Summary:**

This gene encodes a nuclear envelope protein that contains a broad-complex, tramtrack and bric a brac/ Pox virus and Zinc finger (BTB/POZ) protein-protein interaction domain. In mouse, this gene is expressed at high levels in the testis, and null mutant mice exhibit morphologically abnormal sperm that have chromatin condensation defects. These defects result in significantly impaired fertility, demonstrating a role for this gene in male germ cell development in mouse. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]