

## Product datasheet for **MR215618L3V**

### Cln5 (NM\_001033242) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Cln5 (NM_001033242) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Cln5   |
| Synonyms:                 | A730075N08Rik  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001033242   |
| ORF Size:                 | 1026 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR215618).   |
| 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_001033242.1</a> , <a href="#">NP_001028414.1</a>  |
| RefSeq Size:              | 2447 bp  |
| RefSeq ORF:               | 1026 bp  |
| Locus ID:                 | 211286   |
| UniProt ID:               | <a href="#">Q3UMW8</a>   |
| Cytogenetics:             | 14 51.71 cM  |



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**Gene Summary:**

Plays a role in influencing the retrograde trafficking of lysosomal sorting receptors SORT1 and IGF2R from the endosomes to the trans-Golgi network by controlling the recruitment of retromer complex to the endosomal membrane. Regulates the localization and activation of RAB7A which is required to recruit the retromer complex to the endosomal membrane.  
[UniProtKB/Swiss-Prot Function]