

## Product datasheet for **MR225230L4V**

### **Dlc1 (NM\_001194941) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Dlc1 (NM_001194941) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Dlc1   |
| Synonyms:                 | A730069N07Rik; Arhgap7; dlc-1; HP; STARD12   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001194941   |
| ORF Size:                 | 3378 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR225230).   |
| 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_001194941.1</a> , <a href="#">NP_001181870.1</a>  |
| RefSeq Size:              | 6266 bp  |
| RefSeq ORF:               | 3381 bp  |
| Locus ID:                 | 50768  |
| UniProt ID:               | <a href="#">Q9R0Z9</a>   |
| Cytogenetics:             | 8 23.05 cM   |



[View online »](#)

**Gene Summary:**

Functions as a GTPase-activating protein for the small GTPases RHOA, RHOB, RHOC and CDC42, terminating their downstream signaling. This induces morphological changes and detachment through cytoskeletal reorganization, playing a critical role in biological processes such as cell migration and proliferation. Also functions in vivo as an activator of the phospholipase PLCD1. Active DLC1 increases cell migration velocity but reduces directionality (By similarity).[UniProtKB/Swiss-Prot Function]