

## Product datasheet for **MR220368L3V**

### Grb14 (NM\_016719) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Grb14 (NM_016719) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Grb14  |
| Synonyms:                 | AI505286   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_016719  |
| ORF Size:                 | 1617 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR220368).   |
| 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_016719.1</a> , <a href="#">NP_057928.1</a>  |
| RefSeq Size:              | 1978 bp  |
| RefSeq ORF:               | 1617 bp  |
| Locus ID:                 | 50915  |
| UniProt ID:               | <a href="#">Q9JLM9</a>   |
| Cytogenetics:             | 2 C1.3   |



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**Gene Summary:**

Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal (By similarity).[UniProtKB/Swiss-Prot Function]