

## Product datasheet for **RC220822L4V**

### GRB10 (NM\_001001550) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | GRB10 (NM_001001550) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | GRB10  |
| Synonyms:                 | Grb-10; GRB-IR; IRBP; MEG1; RSS  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001001550   |
| ORF Size:                 | 1608 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC220822).   |
| 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_001001550.1</a>   |
| RefSeq Size:              | 4793 bp  |
| RefSeq ORF:               | 1611 bp  |
| Locus ID:                 | 2887   |
| UniProt ID:               | <a href="#">Q13322</a>   |
| Cytogenetics:             | 7p12.1   |
| Protein Families:         | Druggable Genome   |
| MW:                       | 60.8 kDa   |



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**Gene Summary:**

The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner, with expression observed from the paternal allele in the brain, and from the maternal allele in the placental trophoblasts. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010]