

## Product datasheet for **RC213354L2V**

### **GADD45B (NM\_015675) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | GADD45B (NM_015675) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                     |
| Symbol:                   | GADD45B                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Synonyms:                 | GADD45BETA; MYD118                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | pLenti-C-mGFP (PS100071)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_015675                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 483 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC213354).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_015675.1</a> , <a href="#">NP_056490.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 1121 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 483 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 4616                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:               | <a href="#">O75293</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 19p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Domains:                  | Ribosomal_L7Ae                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Families:         | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                   |



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**Protein Pathways:** Cell cycle, MAPK signaling pathway, p53 signaling pathway

**MW:** 17.6 kDa

**Gene Summary:** This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The genes in this group respond to environmental stresses by mediating activation of the p38/JNK pathway. This activation is mediated via their proteins binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. The function of these genes or their protein products is involved in the regulation of growth and apoptosis. These genes are regulated by different mechanisms, but they are often coordinately expressed and can function cooperatively in inhibiting cell growth. [provided by RefSeq, Jul 2008]