

## Product datasheet for **RC203173L1V**

### **MGST2 (NM\_002413) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | MGST2 (NM_002413) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | MGST2  |
| Synonyms:                 | GST2; MGST-II  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_002413  |
| ORF Size:                 | 441 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC203173).   |
| 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_002413.3</a>  |
| RefSeq Size:              | 817 bp   |
| RefSeq ORF:               | 444 bp   |
| Locus ID:                 | 4258   |
| UniProt ID:               | <a href="#">Q99735</a>   |
| Cytogenetics:             | 4q31.1   |
| Domains:                  | MAPEG  |
| Protein Families:         | Druggable Genome, Transmembrane  |



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**Protein Pathways:** Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

**MW:** 16.6 kDa

**Gene Summary:** The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes a protein which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2011]