

## Product datasheet for **RC221976L1V**

### CD36 (NM\_001001548) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CD36 (NM_001001548) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CD36   |
| Synonyms:                 | BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001001548   |
| ORF Size:                 | 1416 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC221976).   |
| 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_001001548.1</a>   |
| RefSeq Size:              | 4727 bp  |
| RefSeq ORF:               | 1419 bp  |
| Locus ID:                 | 948  |
| UniProt ID:               | <a href="#">P16671</a>   |
| Cytogenetics:             | 7q21.11  |
| Protein Families:         | Druggable Genome, Transmembrane  |



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|                          |  |
|--------------------------|--|
| <b>Protein Pathways:</b> | Adipocytokine signaling pathway, ECM-receptor interaction, Hematopoietic cell lineage, PPAR signaling pathway  |
| <b>MW:</b>               | 53.1 kDa   |
| <b>Gene Summary:</b>     | The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014] |