

## Product datasheet for **RC216050L2V**

### TLR10 (NM\_030956) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | TLR10 (NM_030956) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | TLR10  |
| Synonyms:                 | CD290  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_030956  |
| ORF Size:                 | 2433 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC216050).   |
| 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_030956.2</a>  |
| RefSeq Size:              | 3594 bp  |
| RefSeq ORF:               | 2436 bp  |
| Locus ID:                 | 81793  |
| UniProt ID:               | <a href="#">Q9BXR5</a>   |
| Cytogenetics:             | 4p14   |
| Protein Families:         | Druggable Genome, Transmembrane  |
| MW:                       | 94.4 kDa   |


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**Gene Summary:**

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is most highly expressed in lymphoid tissues such as spleen, lymph node, thymus, and tonsil. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq, Aug 2010]