

Product datasheet for **RC220512L2V**

CD3G (NM_000073) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CD3G (NM_000073) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CD3G |
| Synonyms: | CD3-GAMMA; IMD17; T3G |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_000073 |
| ORF Size: | 546 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC220512). |
| 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. More info |
| 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: | NM_000073.1 |
| RefSeq Size: | 822 bp |
| RefSeq ORF: | 549 bp |
| Locus ID: | 917 |
| UniProt ID: | P09693 |
| Cytogenetics: | 11q23.3 |
| Domains: | ITAM, IGc2 |
| Protein Families: | Druggable Genome, Transmembrane |



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Protein Pathways: Hematopoietic cell lineage, T cell receptor signaling pathway

MW: 20.47 kDa

Gene Summary: The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency. [provided by RefSeq, Jul 2008]