

## Product datasheet for **RC223090L4V**

### DCTD (NM\_001012732) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | DCTD (NM_001012732) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | DCTD   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001012732   |
| ORF Size:                 | 567 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223090).   |
| 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_001012732.1</a> , <a href="#">NP_001012750.1</a>  |
| RefSeq Size:              | 2042 bp  |
| RefSeq ORF:               | 570 bp   |
| Locus ID:                 | 1635   |
| UniProt ID:               | <a href="#">P32321</a>   |
| Cytogenetics:             | 4q35.1   |
| Protein Pathways:         | Metabolic pathways, Pyrimidine metabolism  |
| MW:                       | 20.8 kDa   |



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**Gene Summary:**

The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the nucleotide substrate for thymidylate synthase. The encoded protein is allosterically activated by dCTP and inhibited by dTTP, and is found as a homohexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]