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# Product datasheet for RC228371L4V

## TCP1 eta (CCT7) (NM_001166284) Human Tagged ORF Clone Lentiviral Particle

## Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TCP1 eta (CCT7) (NM_001166284) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TCP1 eta |
| **Synonyms:** | CCTETA; CCTH; NIP7-1; TCP1ETA |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001166284 |
| **ORF Size:** | 1368 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC228371). |
| **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_001166284.1, NP_001159756.1 |
| **RefSeq ORF:** | 1371 bp |
| **Locus ID:** | 10574 |
| **UniProt ID:** | Q99832 |
| **Cytogenetics:** | 2p13.2 |
| **MW:** | 50.2 kDa |

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**Gene Summary:**

This gene encodes a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 6. [provided by RefSeq, Oct 2009]