

Product datasheet for **RC217586L1V**

TdT (DNNT) (NM_004088) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | TdT (DNNT) (NM_004088) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | TdT |
| Synonyms: | TDT |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_004088 |
| ORF Size: | 1527 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217586). |
| 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_004088.3 |
| RefSeq Size: | 2071 bp |
| RefSeq ORF: | 1530 bp |
| Locus ID: | 1791 |
| UniProt ID: | P04053 |
| Cytogenetics: | 10q24.1 |
| Protein Pathways: | Hematopoietic cell lineage, Non-homologous end-joining |
| MW: | 58.4 kDa |



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Gene Summary:

This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008]