

Product datasheet for **MC217581**

Dntt (NM_009345) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dntt (NM_009345) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dntt
Synonyms:	Tdt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217581 representing NM_009345
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCACTGCAAGCAGTCCACCTGGGTCTCGGAAGAAAAGACCCAGGCAGCTGGGCACCCCAGTGG
CTTCCACGCCTTATGACATCCGATTTTCGAGACTTGGTCCTTTCATTTTGGAAAAGAAGATGGGAACAAC
TCGAAGAGCCTTCTCATGGAGCTGGCCGAAGGAAAGGGTTCAGGGTGGAAAATGAGCTCAGTGATTTCG
GTCACCCACATTGTGGCAGAGAACAACCTCAGGGTCAGACGTCCTGGAGTGGCTCCAGCTGCAGAACATCA
AAGCCAGCTCCGAGCTCGAACTCTGGACATCTCTGGCTCATCGAATGCATGGGAGCTGGGAAGCCAGT
GGAGATGATGGGAGACATCAGCTTGTGTGAATAGAACTCTCCCGAGTCTGTCCCAGGCTCCAG
AATGTTCCAGCACCTGCTGTGAAGAAGATCTCCAATATGCTTCCAGCGAAGAACCACATTAACAATT
ACAACCAACTATTCACGGATGCCCTTGATATCCTGGCTGAAAATGATGAGCTTAGAGAGAATGAAGTTC
TTGCCTGGCATTATGCGAGCGTCTCTGTACTGAAATCTCTGCCATCCCATCACCAGCATGAAAGAC
ACAGAGGGGATTCTTGCCTAGGGGACAAGGTGAAGAGTATCATAGAGGGAATTATTGAAGATGGAGAAA
GTTCTGAAGCTAAAGCTGTGTTAAATGATGAGCGATATAAATCCTTCAAACCTTTACCTCTGTGTTTGG
TGTGGGACTGAAGACAGCTGAGAAATGGTTCAGGATGGGTTTCAGAACTCTCAGCAAAATACAATCAGAC
AAAAGCCTGAGGTTTACACAAATGCAGAAAAGCAGGATTCTCTACTACGAAGACCTCGTTAGCTGTGTGA
ACAGGCCAGAAGCCGAGGCTGTCAGCATGCTAGTTAAGGAGGCGGTTGTGACATTTCTCCAGATGCCTT
GGTCACCATGACTGGGGGTTCCGCAGGGTAAAGTACTGGACATGATGTAGACTTTCTAATTACCAGC
CCAGAAGCCACAGAGGATGAAGAGCAGCAGCTCTTGCATAAAGTGACAGACTTTTGAAGCAGCAGGGGT
TGCTTTTGTACTGCGACATCTTAGAGTCAACCTTTGAAAAGTTCAAGCAGCCAGCAGGAGGTTGGATGC
TCTCGACCATTTCCAGAAATGCTTCTGATTCTGAAGCTGGACCACGGGAGAGTGACAGCGAGAAGAGC
GGCCAGCAGGAAGGAAAGGGCTGGAAGGCCATCCGTGTAGATCTGGTCATGTGCCCTATGATCGCCGGG
CCTTCGCCTGCTTGGATGGACCGGCTCCAGACAGTTTGGAGAGACTTGCGGCGCTATGCCACACACGA
GAGGAAGATGATGCTGGACAACCACGCCCTGTATGACAGGACTAAGGGGAAGACTGTCACGATTTACCT
TTGGATGGGAAAGTGTCAAACTACAGAAAGCCTTGAAGGTTTCTTGAAGCAGAAAGTGAAGAAGAGA
TCTTTGCCATCTGGGACTGGACTACATTGAACCATGGGAAGAAATGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009345

Insert Size: 1593 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_009345.2](#), [NP_033371.2](#)

RefSeq Size: 2133 bp

RefSeq ORF: 1593 bp

Locus ID: 21673

UniProt ID: [P09838](#)

Cytogenetics: 19 34.32 cM

Gene Summary: Isoform TDT-S: Transferase that catalyzes the nontemplated addition of nucleoside triphosphate to coding ends during V(D)J recombination (N addition). Involved in the generation of diversity in the antigen-binding region of immunoglobulin heavy and light chains and T-cell receptors during B-and T-cell development. Does not act on double-stranded DNA with blunt ends.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).