

Product datasheet for **MC217150**

Dntt (NM_001043228) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dntt (NM_001043228) 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: >MC217150 representing NM_001043228
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATCCACTGCAAGCAGTCCACCTGGGTCTCGGAAGAAAAGACCCAGGCAGCTGGGCACCCCAGTGG
CTTCCACGCCTTATGACATCCGATTTTCGAGACTTGGTCCTTTCATTTTGGAAAAGAAGATGGGAACAAC
TCGAAGAGCCTTCTCATGGAGCTGGCCGAAGGAAAGGGTTCAGGGTGGAAAATGAGCTCAGTGATTTCG
GTCACCCACATTGTGGCAGAGAACAACCTCAGGGTCAGACGTCCTGGAGTGGCTCCAGCTGCAGAACATCA
AAGCCAGCTCCGAGCTCGAACTCTGGACATCTCTGGCTCATCGAATGCATGGGAGCTGGGAAGCCAGT
GGAGATGATGGGAGACATCAGCTTGTGTGAATAGAACTCTCCCGAGTCTGTCCCAGGCTCCAG
AATGTTCCAGCACCTGCTGTGAAGAAGATCTCCAATATGCTTCCAGCGAAGAACCACATTAACAATT
ACAACCAACTATTCACGGATGCCCTTGATATCCTGGCTGAAAATGATGAGCTTAGAGAGAATGAAGTTC
TTGCCTGGCATTATGCGAGCGTCTCTGTACTGAAATCTCTGCCATTCATCACCAGCATGAAAGAC
ACAGAGGGGATTCTTGCTAGGGGACAAGGTGAAGAGTATCATAGAGGGAATTATTGAAGATGGAGAAA
GTTCTGAAGCTAAAGCTGTGTTAAATGATGAGCGATATAAATCCTTCAAACCTTTACCTCTGTGTTGG
TGTGGGACTGAAGACAGCTGAGAAATGGTTCAGGATGGGTTTCAGAACTCTCAGCAAAATACAATCAGAC
AAAAGCCTGAGGTTTACACAAATGCAGAAAAGCAGGATTCCTCTACTACGAAGACCTCGTTAGCTGTGTGA
ACAGGCCAGAAGCCGAGGCTGTCAGCATGCTAGTTAAGGAGGCGGTTGTGACATTTCTCCAGATGCCTT
GGTCACCATGACTGGGGGTTCCGACGGGTAAAGTACTGGACATGATGTAGACTTTCTAATTACCAGC
CCAGAAGCCACAGAGGATGAAGAGCAGCAGCTTTGCATAAAGTGACAGACTTTTGAAGCAGCAGGGGT
TGCTTTTGTACTGCGACATCTTAGAGTCAACCTTTGAAAAGTTCAAGCAGCCAGCAGGAGGTTGATGC
TCTCGACCATTTCCAGAAATGCTTCTGATTCTGAAGCTGGACCACGGGAGAGTGACAGCGAGAAGAGC
GGCCAGCAGGAAGGAAAGGGCTGGAAGGCCATCCGTGTAGATCTGGTCATGTGCCCTATGATCGCCGGG
CCTTCGCCTGCTTGGATGGACCGGCTCCAGACAGTTTGGAGAGACTTGCAGCGCTATGCCACACACGA
GAGGAAGATGATGCTGGACAACCAGCCCTGTATGACAGGACTAAGAGGGTGTTCCTTGAAGCAGAAAGT
GAAGAAGAGATCTTGGCCATCTGGGACTGGACTACATTGAACCATGGGAAGAAATGCC**TAA**

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001043228

Insert Size: 1533 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_001043228.1](#), [NP_001036693.1](#)

RefSeq Size: 2073 bp

RefSeq ORF: 1533 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 (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.