

Product datasheet for **MR221097**

Dntt (NM_009345) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR221097 representing NM_009345
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCACTGCAAGCAGTCCACCTGGGTCTCGGAAGAAAAGACCAGGCAGCTGGGCACCCAGTGG
 CTTCACGCCTTATGACATCCGATTTTCGAGACTTGGTCCTTTCATTTTGGAAAAGAAGATGGGAACAAC
 TCGAAGAGCCTTCTCATGGAGCTGGCCGAAGGAAAGGGTTTCAGGGTGGAAAATGAGCTCAGTGATTTCG
 GTCACCCACATTGTGGCAGAGAACAACCTCAGGGTCAGACGTCCTGGAGTGGCTCCAGCTGCAGAACATCA
 AAGCCAGCTCCGAGCTCGAACTCTGGACATCTCTGGCTCATCGAATGCATGGGAGCTGGGAAGCCAGT
 GGAGATGATGGGAGACATCAGCTTGTGTGAATAGAACTCTCCCGAGTCTGTCCCAGGCTCCAG
 AATGTTCCAGCACCTGCTGTGAAGAAGATCTCCAATATGCTTCCAGCGAAGAACCACATTAACAATT
 ACAACCAACTATTCACGGATGCCCTTGATATCCTGGCTGAAAATGATGAGCTTAGAGAGAATGAAGTTC
 TTGCCTGGCATTATGCGAGCGTCTCTGTACTGAAATCTCTGCCATCCCATCACCAGCATGAAAGAC
 ACAGAGGGGATTCTTGCCTAGGGGACAAGGTGAAGATATCATAGAGGGAATTATTGAAGATGGAGAAA
 GTTCTGAAGCTAAAGCTGTGTTAAATGATGAGCGATATAAATCCTTCAAACCTTTTACCTCTGTGTTTGG
 TGTGGGACTGAAGACAGCTGAGAAATGGTTCAGGATGGGTTTCAGAACTCTCAGCAAAATACAATCAGAC
 AAAAGCCTGAGGTTTACACAAATGCAGAAAAGCAGGATTCCTCTACTACGAAGACCTCGTTAGCTGTGTGA
 ACAGGCCAGAAGCCGAGGCTGTCAGCATGCTAGTTAAGGAGGCGGTTGTGACATTTCTCCAGATGCCTT
 GGTCCCATGACTGGGGGTTCCGACGGGTAAAGTACTGGACATGATGTAGACTTTCTAATTACCAGC
 CCAGAAGCCACAGAGGATGAAGAGCAGCAGCTCTTGCATAAAGTGACAGACTTTTGAAGCAGCAGGGGT
 TGCTTTTGTACTGCGACATCTTAGAGTCAACCTTTGAAAAGTTCAAGCAGCCAGCAGGAAGGTGGATGC
 TCTCGACCATTTCCAGAAATGCTTCTGATTCTGAAGCTGGACCACGGGAGAGTGCACAGCGAGAAGAGC
 GGCCAGCAGGAAGGAAAGGGCTGGAAGGCCATCCGTGTAGATCTGGTCATGTGCCCTATGATCGCCGGG
 CCTTCGCCTGCTTGGATGGACCGGCTCCAGACAGTTTGGAGAGACTTGCGGCGCTATGCCACACACGA
 GAGGAAGATGATGCTGGACAACCACGCCCTGTATGACAGGACTAAGGGGAAGACTGTCACGATTTACCT
 TTGGATGGGAAAGTGTCAAACTACAGAAAGCCTTGAAGGTGTTTCTTGAAGCAGAAAGTGAAGAAGAGA
 TCTTTGCCATCTGGGACTGGACTACATTGAACCATGGGAAAGAAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221097 representing NM_009345
 Red=Cloning site Green=Tags(s)

MDPLQAVHLGPRKKRPRQLGTPVASTPYDIRFDLVLFIEKKMGTTTTRAFMLMELARRKGFVRENELSDS
 VTHIVAENNSGSDVLEWLQLQNIKASSELELLDISWLIIECMGAGKPVEMMGRHQLVVRNNSPSPVPGSQ
 NVPAPAVKKISQYACQRRRTLNNYNQLFTDALDILAENDELRENEGSCSLAFMRASSVLKSLPFPITSMKD
 TEGIPCLGDKVKSIIEGIIEDGESEAKAVLNDERYKSFKLFTSVFVGLKTAEKWFRMGFRTLSKIQSD
 KSLRFTQMOKAGFLYYEDLVSCVNRPEAEAVSMLVKEAVVTFPLDALVTMTGGFRRGKMTGHDVDFLITS
 PEATEDEEQQLLHKVDFWQQLLLYCDILESTFEKFKQPSRKVDALDHFQKCFLLKLDHGRVHSEKS
 GQQEGKWKAIRVDLVMCPYDRRAFALLGWTGSRQFERDLRRYATHERKMMLDNHALYDRTKGKTVTISP
 LDGKVSQKQKALRVFLEAESEEIFAHLGLDYIEPWENA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_g12.zip

Restriction Sites:

Sgfl-Mlul

RefSeq Size: 2133 bp

RefSeq ORF: 1593 bp

Locus ID: 21673

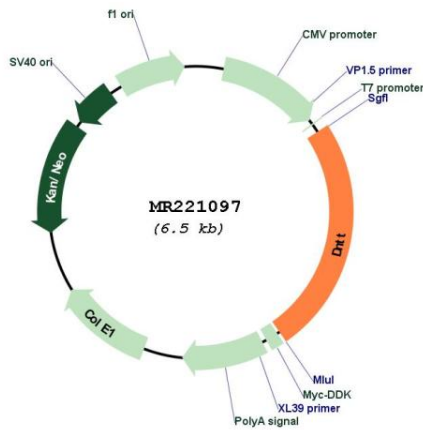
UniProt ID: [P09838](#)

Cytogenetics: 19 34.32 cM

MW: 60.8 kDa

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]

Product images:



Circular map for MR221097