

Product datasheet for **SC111504**

DNTTIP1 (NM_052951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNTTIP1 (NM_052951) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNTTIP1
Synonyms:	C20orf167; dj447F3.4; Tdif1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_052951, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGCCACTGGCGACGCCGAGCAGCCGCGGGGACCTAGCGGGGCCGAGAGGGGCGGCTTGGAGCTGG
GGGATGCGGGCGCAGCGGGCAGCTGGTCTTACGAACCCTTGGAAACATAATGATAAAGCACCGGCAGGT
GCAGCGGAGGGGCCCGCCGCTCACAGATGACAACAAGTTTCACAGATCCTGCCATCTCCATGGATCTCCTC
CGAGCTGTCTGCAGCCCAGCATCAACGAGGAGATCCAGACTGTCTTCAACAAGTACATGAAGTTCTTCC
AGAAGGCAGCACTGAACGTGCGAGACAATGTTGGGGAGGAGGTGGACGCAGAGCAGCTGATCCAGGAAGC
CTGTCCGAGCTGCCTGGAGCAGGCTAAACTGCTCTTTTCAGATGGAGAAAAAGTAATACCCAGATTGACC
CATGAGCTTCCAGGAATAAAGCGTGGCCGTCAGGCAGAAGAAGTGTGCCCATCGAGGAAGCCCCCTTC
CTAAAAAGAGGAAAGGACGGCCTCCTGGACACATCCTGTCAAGCGACCGGGCAGCCCGCCGGCATGGTATG
GAAACCAAAATCCTGTGAACCAATTCGCCGGGAAGGCCCAAGTGGGACCCAGCTCGCCTGAATGAATCT
ACCACCTTTGTGTTGGGATCTCGAGCCAACAAGCCCTGGGGATGGGGGGCACCAGAGGAAGAATCTACA
TCAAGCACCCACACCTCTTTAAGTATGCAGCTGACCCCAAGGATAAGCACTGGCTGGCTGAGCAGCATCA
CATGCGGGCAACAGGGGGCAAGATGGCTACCTCCTCATCGAGGAGGACATCCGGGACCTTGGCGCCAGT
GATGATTACAGAGGATGCCTGGATCTGAAGCTAGAGGAATTGAAATCCTTTGCTACCCCTCGGATGG
TGGAGAAGATGAGAAAGTATATGGAGACACTACGGACAGAGAATGAGCATCGTGCTGTTGAAGCACCTCC
ACAGACCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052951 unedited AGGATTTTGTAAATACGACTCACTATAGGGCGGCACGCAATTCGCACGAGCCACTTTCCG GCCGGTGACAGAGTCCAGCGGAGTTGTGGGGCCGGAGGCGCCATGGGAGCCACTGGCGA CGCCAAGCAGCCCGGGGACCCAGCGGGGCCGAGAGGGGGCGGCTTGGAGCTGGGGGATGC GGGCGCAGCGGGGACGCTGGTTCTTACGAACCCCTTGGAAACATAATGATAAAGCACCGGCA GGTGCAGCGGAGGGGCCCGCTCACAGATGACAACAAGTTTCACAGATCCTGCCATCTC CATGGATCTCCTCCGAGCTGTCTGCAGCCAGCATCAACGAGGAGATCCAGACTGTCTT CAACAAGTACATGAAGTTCTTCCAGAAGGCAGCACTGAACGTGCGAGACAATGTTGGGA GGAGGTGGACGCAGAGCAGCTGATCCAGGAAGCCTGTCGGAGCTGCCTGGAGCAGGCTAA ACTGCTCTTTTCAGATGGAGAAAAAGTAATACCCAGATTGACCCATGAGCTTCCAGGAAT AAAGCGTGGCCGTGAGGCAGAAGAAGTGTGCCATCGAGGAAGCCNCTTCTAAAAA GAGGAAAGGACGGCCTCCTGGACACATCCTGTCAAGCGACCGGGCAGCCCGGCATGGT ATGAAACCAAAATCCTGTGAACCAATTCGCCGGAATGCNNCCAGTGGGACCCAGCTCG CCTGAATGAAATCTACCACCTTTGTGTTGGGATCTCGAGCCACAAGCCCTGGGGATGGG GGGCACCANAGGAATGATCTACATCAAGCACCCACACCTCTTTAGTTTGCAGCTGACCC CCCAGATAAGCACTGGNCTGGCTGAGCAGCATCCATGCCGGGCACATGGGGGCGNATGGN CTACCTCCTCTCGAGGAGGAATNCGGGACCNTGCGCCNTGATGATACAGAGATGCCCGGA TCTGAACTANAGGAATNGAATCCTTNGCCTACCTCCTGAATGGGGGGAAATAAAAAGTC TTGGGAAANTC
Restriction Sites:	NotI-NotI
ACCN:	NM_052951
Insert Size:	1300 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:	<ol style="list-style-type: none"> 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_052951.2 , NP_443183.1
RefSeq Size:	1317 bp
RefSeq ORF:	990 bp
Locus ID:	116092
UniProt ID:	Q9H147
Cytogenetics:	20q13.12

Gene Summary:

DNTTIP1 binds DNA and enhances the activity of terminal deoxynucleotidyltransferase (TDT, or DNTT; MIM 187410), a DNA polymerase that catalyzes the polymerization of DNA in the absence of a DNA template (Yamashita et al., 2001 [PubMed 11473582]).[supplied by OMIM, Mar 2008]