

Product datasheet for **RC206867**

DNTTIP1 (NM_052951) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNTTIP1 (NM_052951) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DNTTIP1
Synonyms: C20orf167; dj447F3.4; Tdif1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC206867 representing NM_052951
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGCCACTGGCGACGCCGAGCAGCCGCGGGGACCCAGCGGGGCCGAGAGGGCGGCTTGGAGCTGG
GGGATGCGGGCGCAGCGGGCAGCTGGTCTTACGAACCCTTGGAAACATAATGATAAAGCACCGGCAGGT
GCAGCGGAGGGGCGCCGCTCACAGATGACAACAAGTTTCACAGATCCTGCCATCTCCATGGATCTCCTC
CGAGCTGTCTGCAGCCAGCATCAACGAGGAGATCCAGACTGTCTTCAACAAGTACATGAAGTTCTTCC
AGAAGGCAGCACTGAACGTGCGAGACAATGTTGGGGAGGAGGTGGACGCAGAGCAGCTGATCCAGGAAGC
CTGTCCGAGCTGCCTGGAGCAGGCTAAACTGCTCTTTTCAGATGGAGAAAAAGTAATACCCAGATTGACC
CATGAGCTTCCAGGAATAAAGCGTGGCCGTGAGCAGAAGAAGATGTGCCCATCGAGGAAGCCCTTC
CTAAAAAGAGGAAAGGACGGCCTCCTGGACACATCCTGTCAAGCGACCGGGCAGCCCGGCATGGTATG
GAAACCAAATCCTGTGAACCAATTCGCCGGGAAGGCCCAAGTGGGACCCAGCTCGCCTGAATGAATCT
ACCACCTTTGTGTTGGGATCTCGAGCCAACAAGCCCTGGGGATGGGGGCACCAGAGGAAGAATCTACA
TC AAGCACCCACACCTCTTTAAGTATGCAGCTGACCCCAAGGATAAGCACTGGCTGGCTGAGCAGCATCA
CATGCGGGCAACAGGGGCAAGATGGCCTACCTCCTCATCGAGGAGGACATCCGGGACCTTGCGGGCAGT
GATGATTACAGAGGATGCCTGGATCTGAAGCTAGAGGAATTGAAATCCTTTGTCTACCCTCCTGGATGG
TGGAGAAGATGAGAAAGTATATGGAGACTACGGACAGAGAATGAGCATCGTGCTGTTGAAGCACCTCC
ACAGACC

ACGGGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206867 representing NM_052951
 Red=Cloning site Green=Tags(s)

MGATGDAEQPRGPSGAERGGLELGDAGAAGQLVLTNPWNIMIKHRQVQRRGRSSQMTTSFTDPAISMDLL
 RAVLQPSINEEIQTVFNKYMKFFQKAALNVRDNVGEVDAEQLIQEACRSCLEQAKLLFSDGEKVIPLRT
 HELPGIKRGRQAEEECAHRGSPLPKRRKGRPPGHILSSDRAAAGMVKPKSCEPIRREGPKWDPARLNES
 TTFVLGSRANKALGMGGTRGRIYIKHPLFKYAADPQDKHWLAEQHMRATGGKMAYLLIEEDIRDLAAS
 DDYRGCLDLKLEELKSFVLPSSWVEMRKYMETLRTENEHRAVEAPPQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

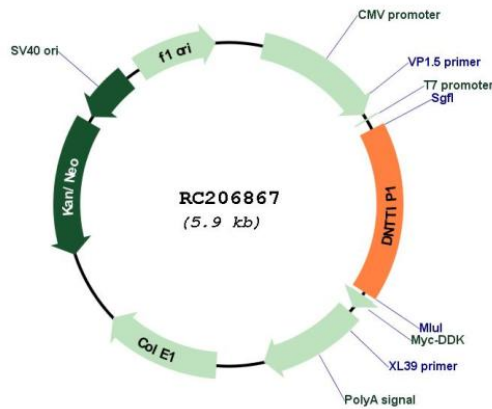
Chromatograms: https://cdn.origene.com/chromatograms/mg2573_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



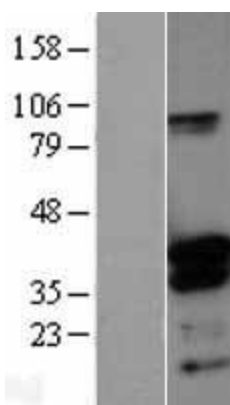
Plasmid Map:



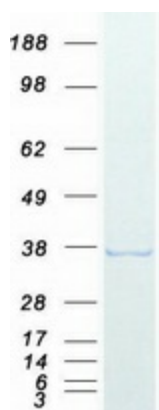
ACCN: NM_052951

ORF Size:	987 bp
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_052951.1
RefSeq Size:	1317 bp
RefSeq ORF:	990 bp
Locus ID:	116092
MW:	36.8 kDa
Gene Summary:	DNNTIP1 binds DNA and enhances the activity of terminal deoxynucleotidyltransferase (TDT, or DNNT; 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY403275]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206867 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNTTIP1 protein (Cat# [TP306867]). The protein was produced from HEK293T cells transfected with DNTTIP1 cDNA clone (Cat# RC206867) using MegaTran 2.0 (Cat# [TT210002]).