

Product datasheet for **MG204812**

Dnttip1 (NM_133763) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnttip1 (NM_133763) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnttip1
Synonyms:	6430706C13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204812 representing NM_133763 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCGACTGGCGACCCGAGCAGCCGCGGGGCCCGGGCGGAGCGAGGTGGCCTGGAGCTGG
GCGACGCGGGCGCGGGCCAGCCGGTTCTCACGAACCCTTGGAAACATAATGATAAAACATCGGCAGGT
GCAGCGAAGGGCCGCCGATCTCAGATGACCACAAGTTTCACAGACCCAGCCATCTCTATGGATCTCCTC
CGTGCTGTCTGCAGCCTAGCATCAATGAGGAGATCCAGGGTGTCTTCAACAAGTACATGAAGTTCTTCC
AGAAGGCAGCGCTGAATGTGCGAGACAATGTTGGGAAGAAGTGGACGCAGAGCAGTTGATTCAGGAGGC
CTGCCGACGCTGCCTGGAGCAGGCAAAGCTGCTTTTTCTGATGGAGAGAAAGTGATACCCAGATTGGCC
CATGAGCTTCCAGGGATCAAGCGGGGCCGCAAGCAGAAGAGGAGTCCCACCGAGGAAGCCCCATCCCCA
AAAAGAGGAAAGGTGGCCTCCTGGACACGTCCTGTCAAATGACCGCGCAGCTGCTGGCATGGTATGGAA
ACAAAAATCCTGTGAACCAATTCGCCGAGAAGGCCCAAGTGGGACCCAGCTCGGCTGAATGAATCTACC
ACCTTTGTTTTGGGGTCTCGAGCCAACAAGGCCTTGGGGATGGGAGCCAGAGGGAGAATCTACATCA
AGCACCCACACCTCTTAAGTATGCAGCAGATCCTCAGGACAAGCACTGGCTGGCTGAGCAGCATCATAT
GCGGGCAACAGGGGAAAGATGGCGTACCTTCTATTGAAGAAGACATCCGGGACTTGGCTGCCAGCGAT
GACTACAGAGGATGCTTGGACCTGAAGTTGGAGGAGCTGAAATCCTTTGTTCTGCCATCCTGGATGGTTG
AGAAGATGCGGAAATACATGGAGACACTGCGGACAGAAAATGAGCACCGCGCTGCCGAAGCGCCTCCCCA
GACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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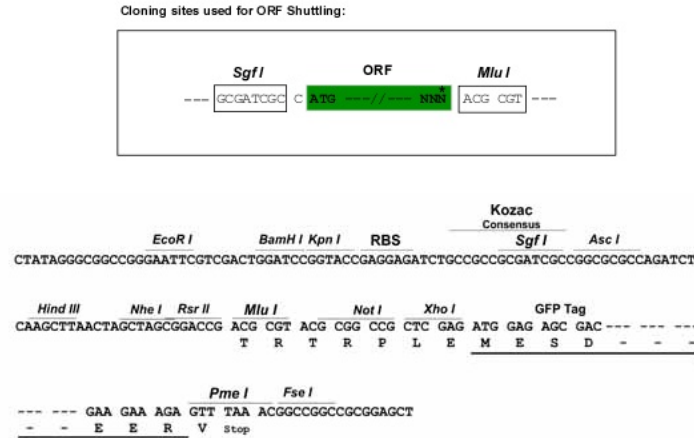
Protein Sequence: >MG204812 representing NM_133763
Red=Cloning site Green=Tags(s)

MGATGDTEQPRGPGAERGGLELDAGAAGQPVL TNPWNIMIKHRQVQRRGRSSQMTTSFTDPAISMDLL
 RAVLQPSINEEIQGVFNKYMKFFQKAALNVRDNGVEEVD AQLIQEACRSCLEQAKLLFSDGEKVIPRLA
 HELPGIKRGRQAE EESHRSPIPKKRKRPPGHVLSNDRAAAGMVWKQKSCEPIRREGPKWDPARLNEST
 TFVLGSRANKALGMGGTRGRIYIKHPLFKYAADPQDKHWA EQHHMRATGGKMAYLLIEEDIRDLAASD
 DYRGCLDLKLEELKSFVLP S W M V E K M R K Y M E T L R T E N E H R A A E A P P Q T

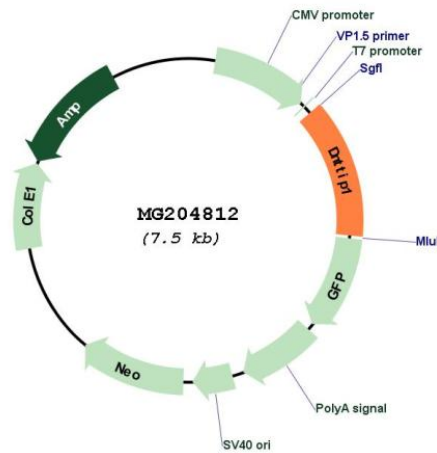
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133763

ORF Size: 984 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.
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_133763.1 , NP_598524.1
RefSeq Size:	1257 bp
RefSeq ORF:	987 bp
Locus ID:	76233
UniProt ID:	Q99LB0
Cytogenetics:	2 H3
Gene Summary:	Increases DNTT terminal deoxynucleotidyltransferase activity (in vitro). Also acts as a transcriptional regulator, binding to the consensus sequence 5'-GNTGCATG-3' following an AT-tract. Associates with RAB20 promoter and positively regulates its transcription. Binds DNA and nucleosomes; may recruit HDAC1 complexes to nucleosomes or naked DNA. [UniProtKB/Swiss-Prot Function]