

## Product datasheet for RR210902

### Dnttip1 (NM\_134400) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dnttip1 (NM_134400) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnttip1
Synonyms:	MGC124886
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210902 representing NM_134400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGCGACTGGCGACCCGAGCAGCCGCGGGGCCCGGGGCGGAGCGAGGCGGCCTGGAGCTGG  
GCGACGCGGGCGCGGGCCAGCCGGTTCTCACGAACCTTGGAACATAATGATCAAACACCGGCAGGT  
GCAGCGAAGAGGCGCCGATCTCAGATGACCACAAGTTTCACAGATCCAGCCATCTCTATGGATCTCCTC  
CGTGCTGTCTGCAGCCTAGCATCAATGAGGAGATCCAGAGTGTCTTCAACAAGTACATGAAGTTCTTCC  
AGAAGGCAGCGCTGAATGTGCGAGACAAGTGGTGAAGAGGTGGATGCAGAACAGTTGATTCAGGAGGC  
CTGCCGACAGTGCCTGGAGCAGGCAAAGCTACTCTTTTCAGATGGAGAAAAAGTGATACCCAGATTGGCC  
CATGAACTTCCAGGGATCAAGCGTGGCCGCGAGGAGGAGTCCCACCGAGGAAGCCCCATCCCCA  
AAAAGAGGAAAGGTGGCCTCCTGGACATGTCTGTCAAATGACCGCGCAGCTGCTGGCATGGTATGGAA  
ACCAAAATCCTGTGAACCAATTCGCCGAGAAGGCCCAAGTGGGACCCAGCTCGGCTGAATGAATCTACC  
ACCTTTGTTTTGGGGTCTCGAGCCAACAAGGCCTTAGGGATGGGAGGCACCAGAGGGAGGATTTACATCA  
AGCACCCACACCTCTTTAAGTATGCAGCAGATCCTCAGGACAAGCACTGGCTGGCTGAGCAGCATCATAT  
GCGGGCAACAGGAGGAAAGATGGCGTACCTTCTATTGAGGAAGACATCCGAGACTTGGCTGCCAGCGAT  
GACTACAGAGGATGCTTGGACCTGAAGTTGGAGGAGCTGAAGTCTTTGTTCTGCCATCCTGGATGGTTG  
AGAAGATGCGGAAATACATGGAGACACTACGGACAGAAAAATGAGCATCGTGCTGCTGAAGCAACTCCCCA  
GACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210902 representing NM\_134400  
Red=Cloning site Green=Tags(s)

MGATGDTEQPRGPGAERGGLELDAGAAGQPVL TNPWNIMIKHRQVQRRGRSSQMTTSFTDPAISMDLL  
 RAVLQPSINEEIQSVFNKYMKFFQKAALNVRDNGVEEVD AEQLIQEACRSCLEQAKLLFSDGEKVIPRLA  
 HELPGIKRGRQAEESHARGSPIPKKRKGRPPGHVLSNDRAAAGMVWPKSCEPIRREGPKWDPARLNEST  
 TFVLGSRANKALGMGGTRGRIYIKHPLFKYAADPQDKHWLAEQHHMRATGGKMAYLLIEEDIRDLAASD  
 DYRGCLDLKLEELKSFVLPSPWVVEKMRKYMETLRTENEHRAAEATPQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_134400

**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:**

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\\_134400.2](#), [NP\\_599227.2](#)

**RefSeq Size:** 1272 bp

**RefSeq ORF:** 987 bp

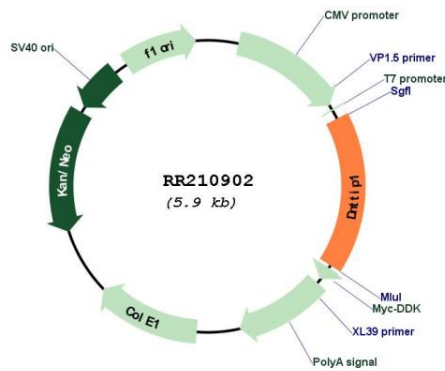
**Locus ID:** 171437

**Cytogenetics:** 3q42

**MW:** 36.9 kDa

**Gene Summary:** a putative member of the steroid/thyroid receptor superfamily [RGD, Feb 2006]

**Product images:**



Circular map for RR210902