

Product datasheet for **RN205134**

Dctd (NM_001013882) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dctd (NM_001013882) Rat Untagged Clone
Tag: Tag Free
Symbol: Dctd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205134 representing NM_001013882
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTTATACACCCAACATGAGTGACATTTCTGCAAAAAACGGGATGACTATCTGGAGTGGCCGGAGT
ATTTTCATGGCGGTAGCCTTCTTGTGAGCACAAGAAGCAAGGACCCAAGTCCCAGGTGGGAGCCTGCAT
TGTGAATACAGAAAACAAGATCGTTGGGATCGGGTACAATGGGATGCCAAATGGGTGCACGGATGACCTG
TTGCCCTGGAGGAGAACAGCAGAAAACAAGCTGGATACTAAATACCCCTTATGTGTGCCACGCCGAGCTGA
ACGCCATCATGAACAAGAATTCGCCGACGTGAAGGGCTGCAGTATGTATGTGGCCTTGTCCCATGTAA
TGAATGTGCGAAGCTCATCATTAGGCAGGTATAAAAGAGGTTATTTTCATGTGCGGATAAATACCATGAC
AGCGAGGAGACGACGGCTGCTAGGCTTCTGTTAAATTGGCTGGGGTTACGTTTCAGAAAATTCACACCAA
AGTACAGCAAGATTGTCATTGATTCGATTGATTAATAGCCGTCGGAGTCAGAAGCCTCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013882
Insert Size: 555 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).



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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_001013882.2](#), [NP_001013904.2](#)

RefSeq Size: 1902 bp

RefSeq ORF: 555 bp

Locus ID: 290741

UniProt ID: [Q5M9G0](#)

Cytogenetics: 16q11

Gene Summary: Supplies the nucleotide substrate for thymidylate synthetase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).