

Product datasheet for **MC204575**

Dctd (NM_178788) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dctd (NM_178788) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dctd
Synonyms:	6030466N05Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031719
 CCGACGCGTGGGCGCGCACGGCGGCTGTGTGGGGTGGACGGTGGCAGCGTGGTCTGCACCTCGAAGGAGC
 GGACGTGACGTATGACTTCTACACCCAACATGAGTGACATTTCTGCAAAAAACGGGATGACTATCTGGA
 ATGGCCCGAGTATTTTCATGGCAGTGGCCTTCTTGTGCGGCACAAAGAAGCAAGGACCCAAGTCCCAGGTG
 GGGGCCTGCATTGTGAACACAGAAAACAAGATTGTTGGGATCGGGTACAATGGCATGCCAAATGGGTGCA
 GTGATGACCTGTTGCCTTGGAGGAGAACAGCAGAAAATAAGCTGGATACTAAATATCCTTATGTGTGCCA
 TGCCGAGCTGAACGCCATCATGAACAAGAAGTCCGGTGTGTAAGGGCTGCAGCATGTACGTCGCCTTG
 TTCCCGTGTAAACGAATGTGCTAAACTCATCCAGGCAGGTATAAAAGAGGTTATCTTCATGTCGGATA
 AATACCACGACAGCGAGGAGACGACGGCTGCTAGGCTCCTGTTTAAAGTTGGCTGGGGTTACGTTACAGAAA
 ATTCACACCGAAGTACAGCAAGATTGTCATTGACTTTGATTTCGATCAATAGCCGACCGAGTCAGAAGCCT
 CAGTGAGTTTCGTCCTGTTAAAGCCCCAGAAGAAGATGACACCCACCACGTGCGTGTGCACACACACAC
 ACACACACACACATACACACAAGGGGCTCCCCAACCTTTCATCTTGAAGTCCCACGGAACCTTTTAATA
 GCACAACACTAACATCTAAAGAATATAAACTTGAATCTTCTACCCGTCACGTGGAGCTCCATCTGT
 TTCAGCTGTTGTTGCAGTTTGGTTTGGAACTAAGGGACCTGCCACAGGAGCTGGAGTGAAGGTCTCTC
 CCCTTCCAGCCCTGTCGAGAGAGTGTACGCTGTGCATCCTCCATATTCGACAGCCGCTCCTTGCTG
 CTACACGGGGTAGGAGGACATACAAATAATTGATTCTCGTTCTTAGCAGGGATGAACAGGCACACTGAGG
 TGAACATCTGGCCCAAATGAAGCATACCCTGTCACGCCCTTGGGAAAACAATAGGACCGAACAAAGCTA
 CATGAACACACCTGCTGTAGAGTTGAGGGGACCTCTCACCTGGTCACATGAGGTTGAGGAGGGCCTAGTG
 TCCTGGCAGATGATCAGTACAGTGTCCCTCAAGTCACACTTTCCTGCCTTACACAGAGCAGTAGCATA
 CCATCCCTCTGGAGGGTAGGGGACCCCTGCGGTTCCAGCCTTTAGCCTTGGTTTGTGGTACATAGCA
 CTGTTAAATTTATCCGAGGCATAAGTAGTTCCTAGAGGAGACAGCCTATCACTCCCCCTAGACCAGGCGC
 TTTGCGGTGACAGCTGGAGCTATATGGATGGGTGATGAGAGACGTTCCCCATCCCGTGTCTCCTGCTGT
 GTGGACACATGTCACCTCTGCTCCACATGCCAACATGGTTCATTTCCAAGGGCACCTATAACACAGAGAG
 CACATTAATTCCCTGCTATAAGAGGGCTGTGGGAACTGTGTACCTGGAGGTGGTCCATGCCAGATCCT
 CATTTGTGCCCTTCACTTATAGGCAGCATACGCCCTGCTGCCCAATTGTGGGTGGGGGTGCCCACTGCG
 TACTCTGTTTTTAATTTCAATTAACCTTCTAGCAGACATGCTCAGTGTCTTTGATAAAATAGTGTATTTT
 TCATGTGTTTTTATTTCAATTTCTAAGATTTTTTTTTAACACTCCGTATTCTGGAGCATTTTTTTACAATT
 TGGATCTCTGCCAGTATTGTTAAAATTTATTAATAATCATCCAGCACCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_178788

Insert Size: 537 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:**
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:	<u>BC031719</u> , <u>AAH31719</u>
RefSeq Size:	1923 bp
RefSeq ORF:	537 bp
Locus ID:	320685
UniProt ID:	<u>Q8K2D6</u>
Cytogenetics:	8 B1.1
Gene Summary:	Supplies the nucleotide substrate for thymidylate synthetase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. CCDS Note: The coding region has been updated to extend the N-terminus. The use of an alternative upstream start codon, which appears to be rodent-specific, would result in a protein that is 6 aa longer at the N-terminal.