

Product datasheet for **MG217341**

Dctd (NM_001161516) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dctd (NM_001161516) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dctd
Synonyms: 6030466N05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217341 representing NM_001161516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTCTACCCCAACATGAGTGACATTTCTGCAAAAACGGGATGACTATCTGGAATGGCCCGAGT
 ATTTTCATGGCAGTGGCCTTCTTGTGAGCACAAGAAGCAAGGACCCAAGTCCCAGGTGGGGCCTGCAT
 TGTGAACACAGAAAACAAGATTGTTGGGATCGGGTACAATGGCATGCCAAATGGGTGCAGTGATGACCTG
 TTGCCTTGGAGGAGAACAGCAGAAAATAAGCTGGATACTAAATATCCTTATGTGTGCCATGCCGAGCTGA
 ACGCCATCATGAACAAGAACTCGGCTGATGTGAAGGGCTGCAGCATGTACGTCGCCTTGTCCCCTGTAA
 CGAATGTGCTAAACTCATCATCCAGGCAGGTATAAAAGAGGTTATCTTCATGTCGGATAAATACCACGAC
 AGCGAGGAGACGACAGCTGCCAGGCTCCTGTTTAAAGTTGGCTGGGTTACGTTTCAGAAAATTCACACCGA
 AGTACAGCAAGATTGTCATTGACTTTGATTTCGATCAATAGCCGACCGAGTCAGAAGCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217341 representing NM_001161516
 Red=Cloning site Green=Tags(s)

MTSTPNMSDISCKRDDYLEWPEYFMAVAFLSAQRSKDPSSQVGACIVNTENKIVGIGYNGMPNGCSDDL
 LPWRRTAENKLDTKYPYVCHAELNAIMNKNSADVKGCSMYVALFPCNECAKLIIQAGIKEIVFMSDKYHD
 SEETTAARLLFKLAGVTRKFTPKYSKIVIDFDSINSRPSQKPQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

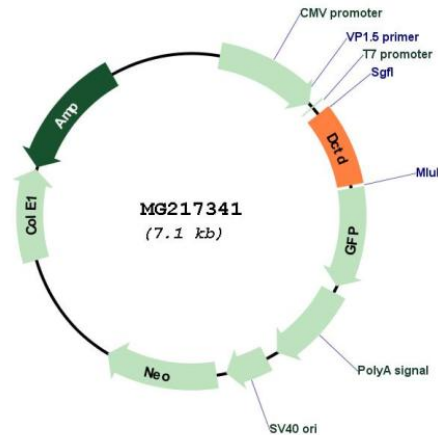


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001161516

ORF Size: 552 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:	<u>NM_001161516.1</u> , <u>NP_001154988.1</u>
RefSeq Size:	1877 bp
RefSeq ORF:	555 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]