

## Product datasheet for MC201481

### Ctdnep1 (NM\_026017) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctdnep1 (NM\_026017) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ctdnep1  
**Synonyms:** 2610507E10Rik; Dullard  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC018265 sequence for NM\_026017  
 CTTCCCTCCTGGTCTCAGAGGACCCTGTCCTAGCCCGACCTGTTTCGGCCTGCAGCCACGCGAAGTCGT  
 CGGTGCCACTTCCCGCTCATGTGGGCCCCCGGGCTGCCACGCCAGTCCCCAGTTCGGGTTCCGCT  
 GGGCTTTCCCTTCGCTGGGGTGGCTTTCTAAGCCACCCACTCCGTGCTCATCTCTGCAGCCTCTCCTGC  
 CGCTCGGGGCCCCGTTCCCTCCCTGCGGCGGGGGCTGCCCGGGGGGCTGGCGGAGCTGGGCCG  
 GGGGGCCCGGGCCGGCGGTGCGGGGTATCGGGATGATGCGGACGCAGTGTCTGCTGGGGTGC  
 CGTTCGTGGCCTTCGCCGCAAGCTCTGGAGCTTCTTTATTTACCTTTTGCAGGAGCAGATCCGACGGT  
 AATTCAGTATCAGACTGTTTCGATATGATATCCTGCCCTTATCTCCTTTGCCGGAATCGCTAGCCAG  
 GTGAAGAGGAAGATCCTGGTCTGGATCTGGACAAAACCTGATTCACTCTCACCACGATGGGGTCTGA  
 GGCCTACAGTGAACCTGGACACCTCCGACTTCATCCTCAAGTGGTAATAGACAAAACCCAGTCCG  
 GTTTTTGTACATAAGAGGCCCATGTGGATTTCTTCTTAGAAGTGGTAAGCCAGTGGTATGAGCTTGTG  
 GTTTCACAGCAAGCATGAAATTTATGGCTCTGCTGTGGCAGATAAAGTGGACAACAGCAGAAGCATTC  
 TTAAGAGGAGATACTACAGACAGCACTGCACTTTGGAGTTGGGCAGCTACATCAAAGACCTCTCCGTGGT  
 CCACAGCGACCTGTCCAGCATCGTATCCTGGACAACCTCCCCGGGGCTTACAGGAGCCACCCAGACAA  
 GCCATCCCCATCAAATCCTGGTTCAGTGACCCAGTGACACAGCCCTTCTCAACCTTCTCCCAATGCTGG  
 ATGCCCTCAGGTTCACTGCTGATGTCCGATCGGTGCTGAGCCGAAACCTTCAACCATAGGCTCTGGTG  
 ACAGCTGCTCCCCCTCCACCTGAGTTGGGGTGGAGGGGAAAGGGAGGAGTTCCTGGGACACCGTCTG  
 TTGCCCTGTCCAATGTGAGGACTGCCTGGCAGAGTCTGCCCTCCCACCCCTCTGCCCTGGGAGCCCTA  
 CACTCCACTTATGGAGTCTGGATGGACACATGGCCAGACCGTGAAGCAGCCTCACTCTGGGTTACACT  
 CCGTGGAAATGCCAGACTGGGACAGCGAAGCCCTAGAGGAGCCGAAACAGTCTGGTGAAGAGGCAGGAC  
 TGCCAGAGTGACAGACATATCCAGAGGCTCAAAGAAGCCAATTCAACTTTGTGTGATTTGATTTTT  
 TAAAAAATCTTATACAAAATGATCTAATTTCTCACTCCTGCTCCAAGGGCTGGGCTGTGGGTGGGGAC  
 TGGGGTTTCGGGCCACTGGATCCTCCTCAGACTTGTCCCCCCCCCTACTTTTCTCATTTTTTTTCTTT  
 CCCCATCCCCATACCTGTAATCGGCTCCTTTCTTTCTTTCTTTTAAACCATGCATTATAAATTGA  
 AACCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_026017
<b>Insert Size:</b>	735 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC018265</a> , <a href="#">AAH18265</a>
<b>RefSeq Size:</b>	1634 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	67181
<b>UniProt ID:</b>	<a href="#">Q3TP92</a>
<b>Cytogenetics:</b>	11 B3
<b>Gene Summary:</b>	Serine/threonine protein phosphatase forming with CNEP1R1 an active phosphatase complex that dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. May antagonize BMP signaling (By similarity).[UniProtKB/Swiss-Prot Function]