

## Product datasheet for MR202326

### Cdipt (NM\_026638) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdipt (NM_026638) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdipt
Synonyms:	9530042F15Rik; D7Bwg0575e; Pis; Pis1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202326 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGAGGAAAATATCTTCTGTTTCGTGCCTAACCTTATCGGTTATGCCCGGATTGTCTTCGCCATCA  
TTTCTTCTACTTTATGCCCTGCTGCCCTTACGGCCTCCTCCTTCTATCTACTCAGCGGACTCCTAGA  
CGCTTTCGATGGACACGCAGCTCGAGCCCTTAATCAAGGAACCCGGTTGGGGCCATGCTCGACATGCTG  
ACGGACC GTTGCGCCACCATGTGTCTTTGGTCAACCTGGCCCTGCTCTACCCACGAGCCACCCTTCTCT  
TCCAGCTCAGCATGAGCTTGGACGTGGCCAGTCACTGGCTGCATCTGCACAGTTCTGTGGTGCAGGCAG  
TGAGAGTCACAAGATGATCGACCTGTCTGGAAACCCTGTGCTTCGGATCTACTATACCTCTAGGCCCTGT  
CTGTTACCCTGTGTGCTGGAAATGAACTTCTACTGCCTCCTGTATCTCTTCAATTTCTCCGAGGGAC  
CACTAGTCGGCTCTGTGGGCCTTTTCCGGATGGCCTCTGGGTACAGCTCCCATCGCGCTGCTCAAGTC  
CGTCATTAGTGCATCCACCTCATCACGGCTGCAAGAAACATGGCTGCCCTGGATGCAGCAGACCCGCC  
AAGAAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202326 protein sequence  
 Red=Cloning site Green=Tags(s)

MPEENIFLFPVNLIGYARIVFAIISFYFMPCCPFTASSFYLLSGLLDAFDGHAARALNQGTRFGAMLDM  
 L TDRCATMCLLVNLALLYPRATLLFQLSMSLDVASHWLHLHSSVVRGSESHKMIDLSGNPVLR  
 IYYTSRPA LFTLCAGNELFYCLLYLFNFSEGPLVGSVGLFRMGLWVTAPIALLKSVISVIHL  
 ITAARNMAALDAADRA KKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_026638

**ORF Size:** 642 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\\_026638.4](#)

**RefSeq Size:** 2313 bp

**RefSeq ORF:** 642 bp

**Locus ID:** 52858

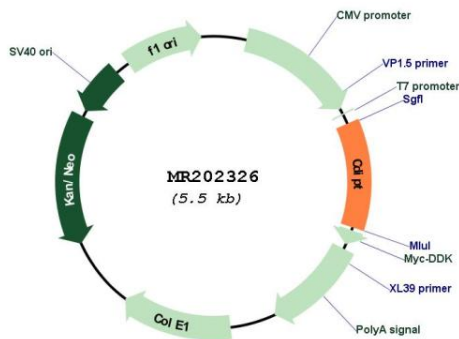
**UniProt ID:** [Q8VDP6](#)

**Cytogenetics:** 7 69.26 cM

**MW:** 23.6 kDa

**Gene Summary:** Catalyzes the biosynthesis of phosphatidylinositol (PtdIns) as well as PtdIns:inositol exchange reaction. May thus act to reduce an excessive cellular PtdIns content. The exchange activity is due to the reverse reaction of PtdIns synthase and is dependent on CMP, which is tightly bound to the enzyme (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202326