

Product datasheet for **MC206268**

Cdipt (BC021473) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdipt (BC021473) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdipt
Synonyms:	Pis, Pis1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021473
 CCACGCGTCCGCAGCCATTATTTATTTAATTAATTTATTTATATTTAAAAAGCCGCTCTCTCTTCTTCCG
 ATGTTCTTAACGTCCCGGACAGAAGAGTAGGCTCCAGAAGCCAGGCGCAGCGGAGCTGCGGAGCCCGCTG
 CTGGAGACGTGAGCTCTGCCCATCGGAAGGCCAGGTGTGCGTGAGCTGTGCCAGGGGTGTCCCGCACC
 CCGGCGCCTGCGGGCTAACAGCTGGGATTGCCCGGGGAACGGGCCAGGGCTCAGGTGGAGCGGC
 TGATGCCCGAGCTGAAAGGTGAGACCACGCTGGTAAGGCTGGTACCAAGACCTTGCCCTCCAGACCTG
 GGCCGAGACGACAAGGGGAGCCGCAAGATGCCAGAGGAAAATATCTTCTGTTCGCTAACCTTATC
 GGTATGCCCGGATTGTCTTCGCCATCATTTCTTCTACTTTATGCCCTGCTGCCCTTCACGGCCCTCT
 CCTTCTATCTACTCAGCGGACTCCTAGACGCTTTCGATGGACACGCAGCTCGAGCCCTTAATCAAGGAAC
 CCGGTTTGGGGCCATGCTCGACATGCTGACGGACCGTTGCGCCACCATGTGTCTTGGTCAACCTGGCC
 CTGCTCTACCCACGAGCCACCCTTCTTCCAGCTCAGCATGAGCTTGGACGTGGCCAGTCACTGGTGC
 ATCTGCACAGTTCTGTGGTGGCAGGAGTGGAGTCAAGATGATCGACCTGTCTGGGAACCTGTGCT
 TCGGATCTACTATACCTTAGGCCTGCTGTTCACCCTGTGTGCTGGAAATGAACCTTCTACTGCCTC
 CTGTATCTTTCAATTTCTCCGAGGACCCTAGTCGGCTCTGTGGCCCTTTCCGGATGGGCCTCTGGG
 TCACAGCTCCCATCGCGTGTCAAGTCCGTATTAGTGTATCCACCTCATCACGGCTGCAAGAAACAT
 GGCTGCCCTGGATGCAGCAGACCGCCGCAAGAAGAAATGATCCTCTCCATCCCAAGCTGTCCACCTGCC
 CTGGGTATCTACTGTACCACGTGACTCCTCCTCCTTAAGAGGTCCCAGTGTGCTTCTTCTCATGTGT
 TCTCTAACCTGCTGGGATTAGGGGTACCTTCTGTTTGGTGTGCTACTATCTTTAATCCTGATGATT
 AGACCCAACTGTGACCCCAAGGACCTGGCACTGCCAAGCAGGAAGGGTGTCTCAGGAGCCCTGCCATC
 CAGCTGGTGTCCGGGAGGCCTGACTGAAGACTGGGTGTTGCCACACATCTGCTGCCTCAGTCTGGGG
 TCTGGAGTGAGACTTTGGGGACATGTGAGGGCAAAGGAGTCAAGTGTGCTTACTTTGAGACACTTAGATG
 GGCTGGGGAGGGAAGGGGCCAGCTAGATCCTTCCCTGAGGCCAGCTCCTCTCTCTGTCTGTCTGGAA
 ACCTCCACAATAAAGGGGGCCCTTCAGTCTTTTGGATGTTTACTTTGAGACACTTAGATGATG
 GCCCAGGTCCATGGGAGCTGGATTAGAATCCACCTGGATGCTTTCCCAAGGTGGCTGGCTCCTCCTG
 TCGTTCAGTGATCTCGAGAGGCTTGTGGCTCCTCAGGTTACAGGCATTGTCTCTGCCACCTGCTTT
 ATGTCCCTAGCTGGCCACTTTTATTGTAACCTTGATATTTTCTACCCTCATGAGAATGTGAGCTTCATG
 AGAGCAGACTTATGTCTTTCTGTCTCTGCCTAGAGTGAAGAACTAGCCTGGCATGTGGTAGCTGCTAAT
 AAATATTCATGGGAAGATGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC021473

Insert Size: 642 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: [BC021473](#), [AAH21473](#)

RefSeq Size: 1857 bp

RefSeq ORF: 642 bp

Locus ID: 52858

Cytogenetics: 7 69.26 cM

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]