

Product datasheet for **SC320184**

CDIPT (NM_006319) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDIPT (NM_006319) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDIPT
Synonyms:	PIS; PIS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006319.3
 CCGAGCGCCTGCGGGGCTGGCAGAGCGAGGGAGGTTGCGGGTAGGAAGGGCGGACTGCG
 CGCGCCCCCTGCGTCCCAGCGCACCTCGGGGCCGGTCCATGCTCCCAGCGGCTGCGGGCTT
 CAGCATCTGGGGCCAGGTTGGGGCGGGGGTCCAGGGCGCAGGTGGTGCGGCCGATGCG
 CCGGGCCGGAGGCTGAGGCCGCGCTGCGGGGCTGGGACAGCACTGGCATCTCCAGAGCAG
 GCCCGGGCAGCAAGGGAGGCGCCGCGATGCCAGACGAAAATATCTTCTGTTTCGTGCC
 AACCTCATCGGTTATGCCCGGATTGTCTCGCCATCATTTCTTTCTACTTCATGCCCTGC
 TGCCCCCTCACGGCCTCCTCCTTCTACCTGCTCAGCGGCCTGCTGGACGCTTTCGATGGA
 CACGCTGCTCGCGCTCTAATCAAGGAACCCGGTTTGGGGCCATGCTGGACATGCTGACG
 GACCGCTGCTCCACCATGTGCTGTTGGTCAACCTGGCCCTGCTGTACCCTGGAGCCACG
 CTGTTCTTCCAAATCAGCATGAGTTTGGATGTGGCCAGTCACTGGCTGCACCTCCACAGT
 TCTGTGGTCCGAGGCAGTGAGAGTCACAAGATGATCGACTTGTCCGGGAATCCGGTGCTT
 CGGATCTACTACACCTCGAGGCCTGCTCTGTTACCTTGTGTGCTGGGAATGAGCTTTC
 TACTGCCTCCTTACCTGTTCCATTTCTCTGAGGGACCTTAGTTGGCTCTGTGGGACTG
 TTCCGGATGGGCCTCTGGGTCACTGCCCCATCGCCTTGTGAAGTCGCTCATCAGCGTC
 ATCCACCTGATCAGGGCCGCCCAACATGGCTGCCCTGGACGCAGCAGACCCGCGCAAG
 AAGAAGTGACGCTGGAGCCCCGGGTCTGGCTGCCACCTGCCCTGGGAGTCTTGCTGTG
 CCACACAGCTCCCCACCCCTGCTAGGAGGTCCCAGTCTCACGCCTTCTCATGTGTTGT
 TCTACCTGCTGGGATGGGGTACGCTCTCTTTGGTGACGTCACGTTCTCTGGGATCCTG
 AGGACCCGGGCCTCAAATCAGGGAGGATACGCGGGAGGCCCTCCATCCAGGCGGTGCT
 CCTGGGGTGCCGGGACCGGGCAGTGTACACCTGCTCAGTCTGGGGTCCGAGAT
 GCTAGGGACGCTTGAGTGAGGGAGGTGGTGTGAGGGCCAGTTTCTGAAAGGCGGGAGT
 CAGACCTCCGCCCCAGCCAGAGCAAGCTTGGGGCACCATGCCAGGAGGAAGAAGCCA
 TCCACAGCCTTCCCTGTACCGGCTCCTGTCTCCTGCCTACCCTGGTCCTGGCGGACTT
 CACTATTTGACTTGGTTTCTTTTCCAGATATTCTTGGCTCAGGGCCTGGGTTGAGGGAGCT
 TAGGGAAGGACGTCCTGCTGGGTGCTTTTCTCCAGTTTGTGGCTGGCTTCTCCGTCTA
 CCCACAGTGACCTCACAGAGAGGCCCTCCTGCCACCCATGCTCATGTGGTGTCCCCACCG
 CCCACTGTTTGTGACTGACTGTCTACATGATTTTATTCTTGTATTTTCTACCC
 TCACTAGAATGTAACCTCCATGAAGGCACAGACTTTTCTTGTCTTCTCTATCCCTAG
 AGTAAGACCAACTGAACCTGGCATATAGTAGCTGCTTAATAAATACTCGTCTGCAATG
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006319

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_006319.3 , NP_006310.1
RefSeq Size:	1874 bp
RefSeq ORF:	642 bp
Locus ID:	10423
UniProt ID:	O14735
Cytogenetics:	16p11.2
Domains:	CDP-OH_P_transf
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Gene Summary:	<p>Phosphatidylinositol breakdown products are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. Two enzymes, CDP-diacylglycerol synthase and phosphatidylinositol synthase, are involved in the biosynthesis of phosphatidylinositol. Phosphatidylinositol synthase, a member of the CDP-alcohol phosphatidyl transferase class-I family, is an integral membrane protein found on the cytoplasmic side of the endoplasmic reticulum and the Golgi apparatus. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>