

#### OriGene Technologies, Inc.

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# Product datasheet for TP304085L

# PPCDC (NM\_021823) Human Recombinant Protein

### **Product data:**

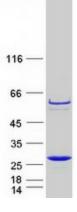
Description:Recombinant protein of human phosphopantothenoylcysteine decarboxylase (PPCDC), 1 mgSpecies:HumanExpression CDNA ClossREX293TExpression CDNA ClossReCoulous site Green=Tags(s)ConstructionsRecould and the second seco	Product Type:	Recombinant Proteins
Expression Host:HEK293TExpression CDNA Colo>RC204085 protein sequence Red=Cloning site Green=Tags(s)RCEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVTTERAKHFYSPQDIPVTLY SDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMNN TAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKKEVLPGHSGFQQSTag:RTRPLEQKLISEEDLAANDILDYKDDDDKVFag:C-Myc/DDKPredicted MW:2.2 kDaOncentration:>0.05 µg/L as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/L as determined by SDS-PAGE and Coomassie blue stainingPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may expreience some loss of protein during the filtration process.Storage:Stabe for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Description:	Recombinant protein of human phosphopantothenoylcysteine decarboxylase (PPCDC), 1 mg
For AA Sequence:Rc204085 protein sequence Red=Cloning site Green=Tags(s)MEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDIPVTLY SDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMNN PAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSGFQQSTRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:CMyc/DDKPredicted MW:2.2 kDaOncentration:0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:2 5 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:StorageStability:Stability:Stability:Stability conditions, Avoid repeated freeze-thaw cycles.	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)MEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDIPVTLY SDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMN TAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSGFQQSTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:22.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Expression Host:	HEK293T
SDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMN TAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSGFQQSTRRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:22.2 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sort esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	•	
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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Note:	
handling conditions. Avoid repeated freeze-thaw cycles.	Storage:	Store at -80°C.
RefSeq: <u>NP 068595</u>	Stability:	
	RefSeq:	<u>NP 068595</u>
Locus ID: 60490	Locus ID:	60490
UniProt ID: <u>Q96CD2</u>	UniProt ID:	<u>Q96CD2</u>
RefSeq Size:2268	RefSeq Size:	2268



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	PPCDC (NM_021823) Human Recombinant Protein – TP304085L
Cytogenetics:	15q24.2
RefSeq ORF:	612
Synonyms:	coaC; MDS018; PPC-DC
Summary:	Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCDC (EC 4.1.1.36), one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4-prime-phosphopantetheine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM, Mar 2008]
Protein Pathway	s: Metabolic pathways, Pantothenate and CoA biosynthesis

## **Product images:**



Coomassie blue staining of purified PPCDC protein (Cat# [TP304085]). The protein was produced from HEK293T cells transfected with PPCDC cDNA clone (Cat# [RC204085]) using MegaTran 2.0 (Cat# [TT210002]).

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