

Recombinant Human PPCDC, His-tagged

Cat. No. PPCDC-28672TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PPCDC , with an N terminal His tag; 224 aa inclusive of tag, 24.6kDa.
Species	Human
Source	E.coli
ProteinLength	204 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	24.600kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEPKASCPAA APLMERKFHV LVGVTGSVAA LKLPLLVS KL LDIPGLEVAV VTTERAKHFY SPQDIPVTLY SDADEWEMWK SRSDPVLHID LRRWADLLL APLDANTLGK VASGICDNL TCVMRAWDRS KPLLFCPAMN TAMWEHPITA QQVDQLKAFG YVEIPCAVAKK LVCGDEGLGA MAEVGTIVDK VKEVLFQHSF FQQS
Sequence Similarities	Belongs to the HFCD (homo-oligomeric flavin containing Cys decarboxylase) superfamily.
GENE INFORMATION	
Gene Name	PPCDC phosphopantothenoylcysteine decarboxylase [Homo sapiens]
Official Symbol	PPCDC
Synonyms	PPCDC; phosphopantothenoylcysteine decarboxylase; FLJ14585; MDS018;
Gene ID	60490
mRNA Refseq	NM_021823
Protein Refseq	NP_068595
MIM	609854
Uniprot ID	Q96CD2
Chromosome	15q24.2

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Location	
Pathway	Coenzyme A biosynthesis, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, conserved biosystem;
Function	lyase activity; phosphopantothenoylecysteine decarboxylase activity;

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