

[Go to Product page](#)

## Datasheet for ABIN7318902 PPCDC Protein (His tag)

### Overview

Quantity:	50 µg
Target:	PPCDC
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPCDC protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human PPCDC Protein (His Tag)
Sequence:	Met 1-Ser204
Characteristics:	Recombinant Human Phosphopantothienoylcysteine Decarboxylase is produced by our E.coli expression system and the target gene encoding Met1-Ser204 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PPCDC
Alternative Name:	PPCDC ( <a href="#">PPCDC Products</a> )
Background:	Background: Phosphopantothienoylcysteine Decarboxylase (PPC-DC) is an essential enzyme in the biosynthesis of Coenzyme A and catalyzes the decarboxylation of PPC to

## Target Details

Phosphopantetheine. PPC-DC catalyzes the decarboxylation of the Cysteine moiety of 4-Phosphopantothenoylcysteine (PPC) to form 4-Phosphopantetheine (PPantSH), this reaction forms part of the biosynthesis of Coenzyme A. The enzyme is a member of the larger family of Cysteine Decarboxylases including the Lantibiotic-Biosynthesizing enzymes EpiD and MrsD, all of which use a tightly bound Flavin cofactor to oxidize the Thiol moiety of the substrate to a Thioaldehyde.

Synonym: Phosphopantothenoylcysteine Decarboxylase, PPC-DC, PPCDC, COAC

Molecular Weight: 24.6 kDa

UniProt: [Q96CD2](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 50 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.