

## Product datasheet for **AR09686PU-N**

### PPCDC (1-204, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PPCDC (1-204, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MEPKASCPAA APLMERKFHV LVGVTGSVAA LKLPLLVSKL LDIPGLEVAV VTTERAKHFY SPQDIPVTLY SDADEWEMWK SRSDPVLHID LRRWADLLL APLDANTLGK VASGICDNLL TCMRAWDRS KPLLFCPAMN TAMWEHPITA QQVDQLKAFG YVEIPCAKK LVCGDEGLGA MAEVTIVDK VKEVLFQHSF FQQS
Tag:	His-tag
Predicted MW:	24.6 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PPCDC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001288030</u>
Locus ID:	60490
UniProt ID:	<u>Q96CD2</u> , <u>H3BQB0</u>
Cytogenetics:	15q24.2
Synonyms:	coaC; MDS018; PPC-DC



[View online »](#)

**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 Pathways:**

Metabolic pathways, Pantothenate and CoA biosynthesis

**Product images:**