

Full-Length

PPCDC (Human) Recombinant Protein

Catalog # P9598

Size 20 ug

Specification

Product Description	Human PPCDC (Q96CD2, 1 a.a. - 204 a.a.) full recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMEPKASCPAAAPLMERKFHVLVGVTGSVAALKPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDIPVTLYSDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMNTAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHS GFQQ
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	24.6
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (0.1 M NaCl, 1 mM DTT and 10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PPCDC

Entrez GeneID	60490
Protein Accession#	Q96CD2
Gene Name	PPCDC
Gene Alias	FLJ14585, MDS018
Gene Description	phosphopantothenoylcysteine decarboxylase
Omim ID	609854
Gene Ontology	Hyperlink
Gene 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]
Other Designations	-

Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)