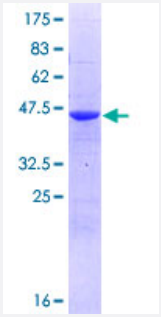
Full-Length

# PPCDC (Human) Recombinant Protein (P01)

Catalog # H00060490-P01 Size 25 ug, 10 ug

## Applications




## Specification

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| **Product Description** | Human PPCDC full-length ORF ( AAH14409.1, 1 a.a. - 204 a.a.) recombinant protein with GST-tag a t N-terminal. |
| **Sequence** | MEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDI PVTLYSDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDR SKPLLFCPAMNTAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKE VLFQHSGFQQS |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 48.8 |
| **Interspecies Antigen Sequence** | Mouse (87); Rat (88) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

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| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PPCDC

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|---|---|
| **Entrez GeneID** | 60490 |
| **GeneBank Accession#** | BC014409.1 |
| **Protein Accession#** | AAH14409.1 |
| **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