

## Product datasheet for **TP720225L**

### PPCDC (NM\_021823) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human phosphopantothenoylcysteine decarboxylase (PPCDC)  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | Met1-Ser204   |
| Tag:                                  | N-His   |
| Predicted MW:                         | 24.6 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl   |
| Endotoxin:                            | < 0.1 EU per µg protein as determined by LAL test   |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for at least 3 months from date of receipt under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_068595</a>   |
| Locus ID:                             | 60490   |
| UniProt ID:                           | <a href="#">Q96CD2</a>  |
| Cytogenetics:                         | 15q24.2   |
| Synonyms:                             | coaC; MDS018; PPC-DC  |
| 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   |



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**Product images:**

