

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

PPCDC, 1-204aa, Human, His tag, E.coli

产品货号: TP03483

第三版

别名: Phosphopantothoenoylcysteine decarboxylase, MDS018, PPC-DC, COAC, FLJ14585.

描述: PPCDC belongs to the HFCD (homo oligomeric flavin containing Cys decarboxylase) superfamily that plays a role in the biosynthesis of coenzyme A (CoA) from pantothenate (Vitamin B). The biosynthesis of CoA from pantothenate requires several steps: the phosphorylation of pantothenate, the conversion of 4'-phosphopantothenate to 4'-phosphopantetheine, the adenylation by phosphopantetheine adenyltransferase to form dephospho-CoA and the phosphorylation by dephospho-CoA kinase to form CoA.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

分子量: 24.6 kDa (224aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMEPKASCPAAAPLMERKFHVLVGVGTGSAALKLPLLVSLLDIPGLEVAVVTTTERAKHFY
SPQDIPVTLYSDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLITCVMRAWDRSKPLFCPAM
NTAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSQFQQS

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.