

## 32-2707: PPCDC Recombinant Protein

**Alternative Name :** FLJ14585,PPC-DC,MDS018,COAC,CoaC,Phosphopantothenoylcysteine Decarboxylase.

### Description

Source : Escherichia Coli. PPCDC produced in E.Coli is a single, non-glycosylated polypeptide chain containing 224 amino acids (1-204a.a.) and having a molecular mass of 24.6kDa.PPCDC is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PPCDC is a member of the HFCD (homo oligomeric flavin containing Cys decarboxylase) superfamily which takes a part in the biosynthesis of coenzyme A (CoA) from pantothenate (Vitamin B). The biosynthesis of CoA from pantothenate needs several steps: the phosphorylation of pantothenate, the conversion of 4'-hosphopantothenate to 4''-phosphopantetheine, the adenylation by phosphopantetheine adenylyltransferase to form dephospho-CoA and the phosphorylation by dephospho-CoA kinase to form CoA. PPCDC is a key player in this pathway. PPCDC converts 4''-phosphopantothenate into 4''-phosphopantetheine.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	The PPCDC protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer(pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MEPKASCPAA APLMERKFHV LVGVTGSVAA LKLPLLVS KL LDIPGLEVAV VTTERAKHFY SPQDIPVTLY SDADEWEMWK SRSDPVLHID LRRWADLLL V APLDANTLGK VASGICDNL L TCVMRAWDRS KPLLFCPAMN TAMWEHPITA QQVDQLKAFG YVEIPCVAKK LVCGDEGLGA MAEVGTIVDK VKEVLFQHSG FQQS