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32-7230: Recombinant Human Phosphopantothenoylcysteine Decarboxylase/PPC-DC (N-6His)(Discontinued)

Gene : PPCDC
Gene ID : 60490
Uniprot ID : Q96CD2

Description

Source: E.coli.
MW :24.6kD.
Recombinant Human PPC-DC is produced by our E.coli expression system and the target gene encoding Met1-Ser204 is expressed with a 6His tag at the N-terminus. Phosphopantothenoylcysteine Decarboxylase (PPC-DC) is an essential enzyme in the biosynthesis ofCoenzyme A and catalyzes the decarboxylation of PPC to Phosphopantetheine. PPC-DC catalyzes the decarboxylation of the Cysteine moiety of 4-Phosphopantothenoylcysteine (PPC) to form 4-Phosphopantetheine (PPantSH), this reaction forms part of the biosynthesis of Coenzyme A. The enzyme is a member of the larger family of Cysteine Decarboxylases including the Lantibiotic-Biosynthesizing enzymes EpiD and MrsD, all of which use a tightly bound Flavin cofactor to oxidize the Thiol moiety of the substrate to a Thioaldehyde.

Product Info

Amount :	10 µg / 50 µg
Content :	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 50mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
Storage condition :	Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :	MGSSHHHHHHSSGLVPRGSHMEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDIPVTLYSDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMNTAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSGFQQS

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.