

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

PPCS, 1-311aa, Human, His tag, E.coli

产品货号: TP03484

第三版

别名: Phosphopantothenate--cysteine ligase, COAB, PPC synthetase

描述: PPCS, also known as phosphopantothenate--cysteine ligase, catalyzes the first step in the biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5), which is an essential universal pathway in prokaryotes and eukaryotes. PPCS, one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

分子量: 36.1 kDa (331aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMAEMDPVAEFPQPPGAARWAEVMARFAARLGAQGRRVVLVTSGGTKVPLEARPVRF  
L DNFSSGRRGATSAEFLAAGYGVLFYLRARSAPFYAHRFPQTWLSALRPSGPALSGLLSLEAEENALPGFAEALRSYQEA  
AAA AGTFLAVEFTTLADYLHLLQAAAQALNPLGPSAMFYLAAA VSDFYVPVSEMPEHKKIQSSGGPLQITMKMVPKLLSPLV  
KD WAPKAFIISFKLETDP AIVINRARKALEIYQHQQVVANILESRQSFVIVTKDSETKLLS EEEIEKGV EIEEKIVDNLQSRHTA  
FIGDRN

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.