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CPOX, 111-454aa, Human, His tag, E.coli

产品货号: TP01699

第三版

别名:Coproporphyrinogen-III oxidase, mitochondrial precursor, CPO, CPX, HCP

描述:Coproporphyrinogen-III oxidase, mitochondrial precursor, also known as CPOX, is a 454 amino acid mitochondrial enzyme that is localized to the inner membrane space of erythrocytes. It participates in the sixth step of heme biosynthesis by catalyzing the formation of protoporphyrinogen IX from coproporphyrinogen III. Mutations in human CPOX gene predict the clinical outcome of the disease, with either hepatic hereditary coproporphyrinemia or hematological manifestations of erythropoietic protoporphyria. Recombinant human CPOX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量:41.6 kDa (367aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSTSLGRPEEEDELAHRCSSFMAPPVTDLGELRRRPGDMKTKMELLILETQAQVCQA  
LAQVDGGANFSVDRWERKEGGGGISCVLQDGCVFEEKAGVSISVVHGNLSEAAKQMRSGKVLKTKDGKLPFCAMGVS  
SVIHPKNPHAPTIHFNYRYFEVEEADGNKQWWFGGGCDLTPTYLNQEDAVHFHRTLKEACDQHGPDLYPKFKKWCDD  
YFFIAHRGERRGIGGIFDLDSPSKEEVFRFVQSCARAVVPSYIPLVKKHCDDSTPQEKLWQQLRRGRYVEFNLLYDRGT  
KFGLFTPGRSIESILMSLPLTARWEYMHSPSENSKEAEILEVLRHPRDWVR

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.