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COA4, 1-87a Human, His tag, E.coli

产品货号: TP01676

第三版

别名:Cytochrome c oxidase assembly factor 4 homolog, mitochondrial, CHCHD8, CMC3, E2IG2

描述:Cytochrome c oxidase assembly factor 4 homolog, mitochondrial, also known as COA4, is the last enzyme of the mitochondrial respiratory chain, is a very complicated process and requires the assistance of a large number of accessory factors. It is essential for oxidative phosphorylation and comprises multiple complexes, including cytochrome c oxidase, assembled in macromolecular supercomplexes. Defects in COX4 assembly alter cellular respiration and produce severe human encephalomyopathies. Recombinant human COA4 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:12.5 kDa (110aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMSTVPPQGHWTQQRVKKDDEEDPLDQLISRSGCAASHFAVQECMAQHQDWRQ
CQPQVQAFKDCMSEQQARRQEELQRRREQAGAAH

纯度:> 95% by HPLC

浓度:0.25 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.