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SCO2, 42-266aa, Human, His tag, E.coli

产品货号: TP03865

第三版

别名:Protein SCO2 homolog, mitochondrial, SCO1L

描述:SCO2 protein belongs to the SCO1/2 family of proteins. Both SCO1 and SCO2 proteins are located on the inner membrane of the mitochondria and plays a crucial role in copper insertion or transport to the active site of cytochrome c oxidase (COX). Defects in SCO2 are the cause of fatal infantile cardioencephalomyopathy with cytochrome c oxidase deficiency (FIC). This disease is characterized by hypertrophic cardiomyopathy, lactic acidosis, and gliosis. Heart and skeletal muscle show reductions in cytochrome c oxidase (COX) activity, whereas liver and fibroblasts show mild COX deficiencies. Recombinant human SCO2 protein, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 2mM DTT, 200mM NaCl

分子量:27.4kDa (246aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGPAETGGQGQPQGPGLRTRLLITGLFGAGLGGAWLALRAEKERLQQQKRTEALRQA
AVGQGDFHLLDHRGRARCKADFRGQWVLMYFGFTHCPDICPDELEKLVQVVRQLEAEPGLPPVQPVFITVDPERDDVE
AMARYVQDFHPRLLGLTGSTKQVAQASHSYRVYYNAGPKDEDQDYIVDHSIAIYLLNPDGLFTDYYGRSRSAEQISDSVRR
HMAAFRSVLS

纯度:> 95% by HPLC

浓度:0.5 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.