

Product datasheet

Recombinant Human SCO2 protein ab103492

画像数 1

製品の詳細

製品名	Recombinant Human SCO2 protein
精製度	> 90 % SDS-PAGE. ab103492 was purified using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	<u>O43819</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHSSGLVPRGSHMGAETGGQGQPQGPGLRTRLL ITGLFGAG LGGAWLALRAEKERLQQQRTEALRQAAVGQGFHLLDHRGR ARCKADFR GQWVLMYFGFTHCPDIPCDELEKLVQVVRQLEAEPGLPPVQP VFITVDPE RDDVEAMARYVQDFHPRLLGLTGSTKQVAQASHSYRVYYNAG PKDEDQDY IVDHSIAIYLLNPDGLFTDYYGRSRSAEQISDSVRRHMAAFR SVLS
予測される分子量	27 kDa including tags
領域	42 to 266
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab103492** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
製品の状態	Liquid

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0308% DTT, 0.316% Tris HCl, 30% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

関連情報

機能

Acts as a copper chaperone, transporting copper to the Cu(A) site on the cytochrome c oxidase subunit II (COX2).

組織特異性

Ubiquitous.

関連疾患

Defects in SCO2 are the cause of fatal infantile cardioencephalomyopathy with cytochrome c oxidase deficiency (FIC) [MIM:604377]. 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.

配列類似性

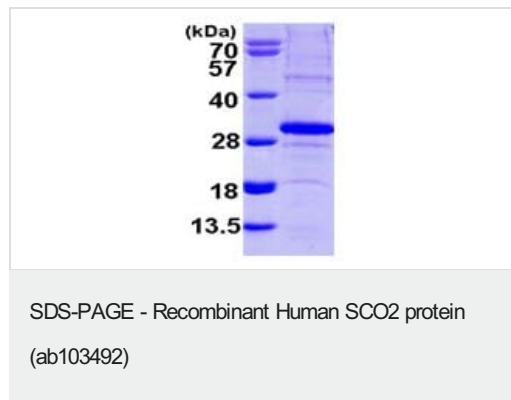
Belongs to the SCO1/2 family.

Contains 1 thioredoxin domain.

細胞内局在

Mitochondrion.

画像



15% SDS-PAGE analysis of 3µg ab103492.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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