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SCO2 Protein (AA 42-266) (His tag)



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Quantity:	100 μg
Target:	SC02
Protein Characteristics:	AA 42-266
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCO2 protein is labelled with His tag.

Product Details

Sequence:	Gly 42-Ser 266
Characteristics:	A DNA sequence encoding the Human SCO2 protein (043819) (Gly 42-Ser 266) was expressed with aN-His&C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target Details	
Target:	SC02
Alternative Name:	SCO2 (SCO2 Products)
Background:	Abbreviation: SCO2
	Target Synonym: Protein SC02 homolog,mitochondrial,SC02,
	Background: Acts as a copper chaperone, transporting copper to the Cu(A) site on the
	cytochrome c oxidase subunit II (COX2). Defects in SCO2 are the cause of fatal infantile

Target Details	
	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.
Molecular Weight:	Calculated MW: 24.64 kDa Observed MW: 30 kDa
UniProt:	043819
Pathways:	Transition Metal Ion Homeostasis, Warburg Effect
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.

Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

4 °C,-20 °C,-80 °C

12 months

samples are stable at < -20°C for 3 months.

Storage:

Expiry Date:

Storage Comment: