9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SCO1 Human

SCO Cytochrome Oxidase Deficient Homolog 1 Human Recombinant
RCP2003

Product Overview

Name	SCO1 Human

Description

SCO Cytochrome Oxidase Deficient Homolog 1 Human Recombinant

Accession (Primary)	O75880

Synonyms

SCO1 Cytochrome C Oxidase Assembly Protein, SCOD1, SCO (Cytochrome Oxidase Deficient, Yeast) Homolog 1, SCO Cytochrome Oxidase Deficient Homolog 1 (Yeast), SCO Cytochrome Oxidase Deficient Homolog 1, Protein SCO1 Homolog, Mitochondrial, SCOD1, Protein SCO1 homolog, mitochondrial.

Introduction

SCO Cytochrome Oxidase Deficient Homolog 1, also known as SCO1 is a member of the SCO1/2 family. Mammalian cytochrome c oxidase (COX) catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. Furthermore, in yeast, two related COX assembly genes, SCO1 & SCO2 which are synthesis of cytochrome c oxidase, enable subunits 1 as well as 2 to be incorporated into the holoprotein. This gene is the human homolog to the yeast SCO1 gene. Among the diseases associated with SCO1 are hepatic failure, early-onset, neurologic disorder due to cytochrome c oxidase deficiency and fatal infantile cytochrome c oxidase deficiency.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

SCO1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MGKPLLGGPF SLTTHTGERK TDKDYLGQWL LIYFGFTHCP DVCPEELEKM IQVVDEIDSI TTLPDLTPLF ISIDPERDTK EAIANYVKEF SPKLVGLTGT REEVDQVARA YRVYYSPGPK DEDEDYIVDH TIIMYLIGPD GEFLDYFGQN KRKGEIAASI ATHMRPYRKK SL EHHHHHH .

Precautions

SCO1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75880)