## 32-13398: SCO1 Human

Alternative Name : 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.

## Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
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.
SCO1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids (132-301 a.a) and having a molecular mass of 20.5 kDa .

## Product Info

## Amount :

## Purification :

Content :

## Storage condition :

Amino Acid :
$5 \mu \mathrm{~g} / 20 \mu \mathrm{~g}$
Greater than $95 \%$ as determined by SDS-PAGE.
SCO1 protein solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) containing Phosphate buffered saline ( pH 7.4 ), 10\% glycerol and 1 mM DTT.

Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within 2-4 weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ 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.

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

