9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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 20.5kDa.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	SCO1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGKPLLGGPF SLTTHTGERK TDKDYLGQWL LIYFGFTHCP DVCPEELEKM IQVVDEIDSI TTLPDLTPLF ISIDPERDTK EAIANYVKEF SPKLVGLTGT REEVDQVARA YRVYYSPGPK DEDEDYIVDH TIIMYLIGPD GEFLDYFGQN KRKGEIAASI ATHMRPYRKK SLEHHHHHH.