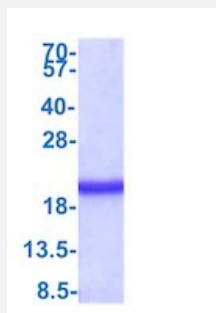


SCO1 (Human) Recombinant Protein

Catalog # P7778

Size 500 ug

Applications



SDS-PAGE analysis of SCO1 (Human) Recombinant Protein

Specification

Product Description	Human SCO1 (NP_004580, 132 a.a. - 301 a.a) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGKPLLGGPFSLTHTGERKTDKDYLGQWLLYFGFTHCPDVCPEELEKMIQVVDEIDSITLPLDLT PLFISIDPERDTKEAIANYVKEFSPKLVGLTGTREEVDQVARAYRVYYSPGPKDEDEDYVDHTIMY LIGPDGEFLDYFGQNKRGGEIAASIATHMRPYRKKSLHHHHHH
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	20.5
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of SCO1 (Human) Recombinant Protein
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (1 mM DTT, 10% glycerol).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — SCO1

Entrez GeneID [6341](#)

Protein Accession# [O75880](#)

Gene Name SCO1

Gene Alias SCOD1

Gene Description SCO cytochrome oxidase deficient homolog 1 (yeast)

Omim ID [603644](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. In yeast, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), enable subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog to the yeast SCO1 gene. [provided by RefSeq]

Other Designations cytochrome oxidase deficient homolog 1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)