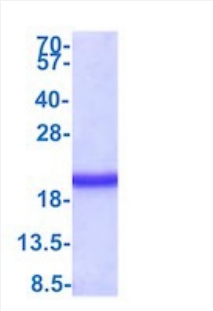
SCO1 (Human) Recombinant Protein

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 *Escherichia coli*.
Sequence	MGKPLLGGPFSLTTHTGERKTDKDYLGQWLLIYFGFTHCPDVCPEELEKMIQVVDEIDSITTLPDLT PLFISIDPERDTKEAIANYVKEFSPKLVGLTGTREEVDQVARAYRVYYSPGPKDEDEDYIVDHTIIMY LIGPDGEFLDYFGQNKRKGEIAASIATHMRPYRKKSLEHHHHHH
Host	Escherichia coli
Theoretical MW (kDa)	20.5
Form	Liquid
Preparation Method	*Escherichia coli* 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).

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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 cyto chrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. In y east, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), ena ble subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog to th e yeast SCO1 gene. [provided by RefSeq
Other Designations	cytochrome oxidase deficient homolog 1

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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