

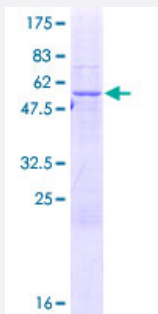
Full-Length

SCO2 (Human) Recombinant Protein (P01)

Catalog # H00009997-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SCO2 full-length ORF (NP_005129.1, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLLLTRSPATAWHRLSQLKPRVLPGLTGGQALHLRSWLLSRQGPAETGGQGQPQGPGLRTRLLIT
GLFGAGLGGAWLALRAEKERLQQQKRTEALRQAAVGQGDHLLDHRGRARCKADFRGQWVLM
YFGFTHCPDICPDELEKLVQVVRQLEAEPGLPPVQPVFITVDPERDDVEAMARYVQDFHPRLLGL
TGSTKQVAQASHSYRVYYNAGPKDEDQDYVDHSIAMLLNPDGLFTDYYGRSRSAEQISDSVRRH
MAAFRSVLS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.2

Interspecies Antigen Sequence

Mouse (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SCO2

Entrez GeneID[9997](#)**GeneBank Accession#**[NM_005138.1](#)**Protein Accession#**[NP_005129.1](#)**Gene Name**

SCO2

Gene Alias

MGC125823, MGC125825, SCO1L

Gene Description

SCO cytochrome oxidase deficient homolog 2 (yeast)

Omim ID[604272 604377](#)**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 of the yeast SCO2 gene. [provided by RefSeq]

Other Designations

OTTHUMP00000196773|SCO (cytochrome oxidase deficient, yeast) homolog 2|cytochrome oxidase deficient homolog 2

Disease

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