

Recombinant Human SCO1 293 Cell Lysate

Cat. No. SCO1-2026HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SCO cytochrome oxidase deficient homolog 1 (yeast) (SCO1), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

SCO1 SCO cytochrome oxidase deficient homolog 1 (yeast) [Homo sapiens]

Official Symbol

SCO1

Synonyms

SCO1; SCO cytochrome oxidase deficient homolog 1 (yeast); SCO (cytochrome oxidase deficient, yeast) homolog 1 , SCOD1; protein SCO1 homolog, mitochondrial; SCOD1;

Gene ID

6341

mRNA Refseq

NM_004589

Protein Refseq

NP_004580

MIM

603644

UniProt ID

O75880

Chromosome Location

17p13.1

Pathway

Electron Transport Chain, organism-specific biosystem;

Function

copper ion binding; metal ion binding;

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