

Recombinant Human SPCS1 293 Cell Lysate

Cat. No. SPCS1-1526HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for signal peptidase complex subunit 1 homolog (<i>S. cerevisiae</i>) (SPCS1) 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 [SPCS1 signal peptidase complex subunit 1 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol SPCS1

Synonyms

SPCS1; signal peptidase complex subunit 1 homolog (S. cerevisiae); signal peptidase complex subunit 1; HSPC033; SPC1; SPC12; YJR010C A; SPase 12 kDa subunit; signal peptidase 12kDa; microsomal signal peptidase 12 kDa subunit; YJR010C-A;

Gene ID [28972](#)

mRNA Refseq [NM_014041](#)

Protein Refseq [NP_054760](#)

MIM [610358](#)

UniProt ID [Q9Y6A9](#)

Chromosome Location 3p21.31

Pathway

Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;

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Metabolism of proteins, organism-specific biosystem;

Function

molecular_function; peptidase activity; ribosome binding;

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