# 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 (S. cerevisiae) (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. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **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; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | Metabolism of proteins, organism-specific biosystem; |
| **Function** | molecular_function; peptidase activity; ribosome binding; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA