

Recombinant Human SOCS2 293 Cell Lysate

Cat. No. SOCS2-1581HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for suppressor of cytokine signaling 2 (SOCS2) 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

SOCS2 suppressor of cytokine signaling 2 [Homo sapiens]

Official Symbol

SOCS2

Synonyms

SOCS2; suppressor of cytokine signaling 2; CIS2; Cish2; SOCS 2; SSI 2; SSI2; STAT induced STAT inhibitor 2; STATI2; CIS-2; STAT induced STAT inhibitor-2; STAT-induced STAT inhibitor 2; STAT-induced STAT inhibitor-2; cytokine-inducible SH2 protein 2; suppressor of cytokine signaling-2; SSI-2; SOCS-2;

Gene ID

8835

mRNA Refseq

NM_003877

Protein Refseq

NP_003868

MIM

605117

UniProt ID

O14508

Chromosome Location

12q

Pathway

Cytokine Signaling in Immune system, organism-specific biosystem; ECS complex, organism-specific biosystem; ECS complex, conserved biosystem; Growth hormone receptor signaling, organism-specific biosystem; IL-3 Signaling Pathway, organism-

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specific biosystem; IL2-mediated signaling events, organism-specific biosystem;
Immune System, organism-specific biosystem;

Function

JAK pathway signal transduction adaptor activity; SH3/SH2 adaptor activity; growth
hormone receptor binding; insulin-like growth factor receptor binding; prolactin
receptor binding; protein binding;

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