

Recombinant Human Suppressor Of Cytokine Signaling 3, Myc-DDK-tagged

Cat. No. SOCS3-6940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOCS3 protein was expressed in HEK293 cells with Myc-DDKtag. MW: 24.6 kDa.
Species	Human
Source	HEK293
Description	This gene encodes a member of the suppressor of cytokine signaling, family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase.
Molecular Weight	24.6kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Preparation	Transfected cells were cultured for 48-72 hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1x Proteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate.
Concentration	> 50ug/ml as determined by BCA.

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Endotoxin	< 0.1 EU per 1 µg of the protein by the LAL
Reconstitution	10% glycerol, 100 mM glycine, 25 mM Tris-HCl, pH 7.3.
Storage	Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.

GENE INFORMATION

Gene Name	SOCS3 suppressor of cytokine signaling 3 [Homo sapiens]
Official Symbol	SOCS3
Synonyms	SOCS3; suppressor of cytokine signaling 3; CIS3; SSI3; ATOD4; Cish3; SSI-3; SOCS-3; CIS-3; STAT-induced STAT inhibitor 3; cytokine-induced SH2 protein 3; cytokine-inducible SH2 protein 3; MGC71791
Gene ID	9021
mRNA Refseq	NM_003955
Protein Refseq	NP_003946
MIM	604176
UniProt ID	P35270
Chromosome Location	2p14-p12
Pathway	ATF-2 transcription factor network; Adaptive Immune System; Adipocytokine signaling

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pathway; Adipogenesis; ClassI MHC mediated antigen processing & presentation; Cytokine Signaling inImmune system; ECS complex; EGFR1 Signaling Pathway; EPO signaling pathway;Growth hormone receptor signaling; Hepatitis C; Herpes simplex infection;IL-2 Signaling Pathway; IL-3 Signaling Pathway; IL-4 signaling Pathway; IL-6Signaling Pathway

Function	protein kinase inhibitor activity
PDB rendering based on2bbu.	

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