

## Recombinant Full Length Human SOCS3, His-tagged

Cat. No. SOCS3-5093H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SOCS3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-225 a.a.
<b>Description</b>	SOCS3 is a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of SOCS3 is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. This protein can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Molecular Mass</b>	29 kDa (262aa)
<b>AA Sequence</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMVT HSKFPAAGMS RPLDTSRLK TFSSKSEYQL VVNAVRKLQE SGFYWSAVTG GEANLLLSAE PAGTFLIRDS SDQRHFFTLS VKTQSGTKNL RIQCEGGSFS LQSDPRSTQP VPRFDCVLKL VHHYMPPPGA PSFSPPTPEP SSEVPEQPSA QPLPGSPRR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AYYIYSGGEK IPLVLSRPLS SNVATLQHLC RKTVNGHLDS YEKVTQLPGP  
IREFLDQYDA PL

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [SOCS3 suppressor of cytokine signaling 3 \[ Homo sapiens \]](#)

**Official Symbol** SOCS3

**Synonyms** SOCS3; suppressor of cytokine signaling 3; CIS3; Cish3; SOCS 3; SSI 3; CIS-3; STAT-induced STAT inhibitor 3; cytokine-induced SH2 protein 3; cytokine-inducible SH2 protein 3; SSI3; ATOD4; SSI-3; SOCS-3; MGC71791;

**Gene ID** [9021](#)

**mRNA Refseq** [NM\\_003955](#)

**Protein Refseq** [NP\\_003946](#)

**MIM** [604176](#)

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<b>UniProt ID</b>	O14543
<b>Chromosome Location</b>	17q25.3
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem;
<b>Function</b>	protein kinase inhibitor activity;

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