

# Recombinant Human Suppressor Of Cytokine Signaling 3, GST-tagged

**Cat. No.** SOCS3-6941H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human SOCS3 protein was expressed as GST-tagged fusion protein by <i>in vitro</i> wheat germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	SOCS3 is a protein that in humans is encoded by the SOCS3 gene. This gene encodes 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 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.
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Sequence</b>	MVTHSKFPAAGMSRPLDTSRLKTFSSKSEYQLVVNAVRLKQESGFYWSAVTGGEA NLLLSAEPAGTFLIRDSSDQRHFFTL SVKTQSGTKNLRIQCEGGSFSLQSDPRSTQP VPRFDCVLKLVHHYMPPPGAPSFPSPTPEPSSEVPEQPSAQPLPGSPRRRAYIYS GGEKIPLVLSRPLSSNVATLQHLCRKT VNGHLD SYEKVTQLPGPIREFLDQYDAPL
<b>Preparation Method</b>	<i>in vitro</i> wheat germ expression system

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<b>Molecular Weight</b>	50.49 kDa
<b>Purification</b>	GlutathioneSepharose 4 Fast Flow.
<b>Buffer</b>	50 mMTris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage</b>	Storeat -80°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	SOCS3 suppressor of cytokine signaling 3 [ Homosapiens ]
<b>Official Symbol</b>	SOCS3
<b>Synonyms</b>	SOCS3;suppressor of cytokine signaling 3; CIS3; SSI3; ATOD4; Cish3;SSI-3; SOCS-3; MGC71791; CIS-3; STAT-induced STAT inhibitor 3; cytokine-inducedSH2 protein 3; cytokine-inducible SH2 protein 3
<b>Gene ID</b>	9021
<b>mRNA Refseq</b>	NM_003955
<b>Protein Refseq</b>	NP_003946
<b>MIM</b>	604176
<b>UniProt ID</b>	O14543
<b>Chromosome Location</b>	17q25.3
<b>Pathway</b>	ATF-2 transcription factor network; Adipocytokinesignaling pathway; Class I MHC

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mediated antigen processing & presentation; Cytokine Signaling in Immune system; ECS complex; EGFR1 Signaling Pathway; EPO signaling pathway; Growth hormone receptor signaling; Herpes simplex infection; IL-2 Signaling Pathway; IL-3 Signaling Pathway; IL-4 Signaling Pathway; IL-6 Signaling Pathway; IL-9 Signaling Pathway

**Function** protein kinase inhibitor activity

**PDB rendering based on** 2bbu.

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