Recombinant Human Suppressor Of Cytokine Signaling 3, GST-tagged

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

SPECIFICATION

Product Overview	RecombinantHuman SOCS3 protein wasexpressed as GST-tagged fusion protein by vitro wheatgerm.
Species	Human
Source	Wheat Germ
Description	SOCS3is a protein that in humans is encoded by the SOCS3 gene. This gene encodes amember of the STAT-induced STAT inhibitor (SSI), also known as suppressor ofcytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene isinduced by various cytokines, including IL6, IL10, and interferon(IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, andinhibit the activity of JAK2 kinase.
Quality ControlTesting	12.5%SDS-PAGE Stained with Coomassie Blue.
Sequence	MVTHSKFPAAGMSRPLDTSLRLKTFSSKSEYQLVVNAVRKLQESGFYWSAVTGGEA NLLLSAEPAGTFLIRDSSDQRHFFTLSVKTQSGTKNLRIQCEGGSFSLQSDPRSTQP VPRFDCVLKLVHHYMPPPGAPSFPSPPTEPSSEVPEQPSAQPLPGSPPRRAYYIYS GGEKIPLVLSRPLSSNVATLQHLCRKTVNGHLDSYEKVTQLPGPIREFLDQYDAPL
Preparation Method	in vitro wheatgerm expression system

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

GENE INFORMATION

Gene Name	SOCS3 suppressor of cytokine signaling 3 [Homosapiens]
Official Symbol	SOCS3
Synonyms	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
Gene ID	9021
mRNA Refseq	NM_003955
Protein Refseq	NP_003946
MIM	604176
UniProt ID	O14543
Chromosome Location	17q25.3
Pathway	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; EPOsignaling pathway; Growth hormone receptor signaling; Herpes simplexinfection; IL-2 Signaling Pathway; IL-3 Signaling Pathway; IL-4 SignalingPathway; IL-6 Signaling Pathway; IL-9 Signaling Pathway
Function	protein kinase inhibitor activity
PDB rendering based on2bbu.	

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