

Recombinant Full Length Human SOCS3 Protein, C-Flag-tagged

Cat. No. SOCS3-1793HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SOCS3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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. 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.6 kDa
AA Sequence	MVTHSKFPAAGMSRPLDTSRLKTFSSKSEYQLVVNAVRKLQESGFYWSAVTGGEA NLLLSAEPAGTFLI RDSSDQRHFFTL SVKTQSGTKNLRIQCEGGSFSLQSDPRSTQP VPRFDCVLKLVHHYMPPPGAPSFPSPP TEPSSSEVPEQPSAQPLPGSPRRAYYIYS GGEKIPLVLSRPLSSNVATLQHLCRKT VNGHLDSEYKVTQL PGPIREFLDQYDAPL T

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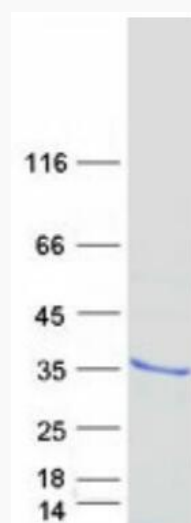
	RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Adipocytokine signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus, Ubiquitin mediated proteolysis
Full Length	Full L.
GENE INFORMATION	
Gene Name	SOCS3 suppressor of cytokine signaling 3 [Homo sapiens (human)]
Official Symbol	SOCS3
Synonyms	CIS3; SSI3; ATOD4; Cish3; SSI-3; SOCS-3
Gene ID	9021

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mRNA Refseq	NM_003955.5
Protein Refseq	NP_003946.3
MIM	604176
UniProt ID	O14543



Coomassie blue staining of purified SOCS3 protein.