



# Recombinant Human Suppressor of cytokine signaling 1 (SOCS1)

<b>Product Code</b>	CSB-YP022388HU
<b>Relevance</b>	SOCS family proteins form part of a classical negative feedback syst that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival . Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Ses to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway.
<b>Abbreviation</b>	Recombinant Human SOCS1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O15524
<b>Alias</b>	JAK-binding protein ;JABSTAT-induced STAT inhibitor 1 ;SSI-1Tec-interacting protein 3 ;TIP-3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MVAHNQVAADNAVSTAAEPRRRPEPSSSSSSSSPAAPARPRPCPAVPAPAPG DTHFRTRFRSHADYRRITRASALLDACGFYWGPLSVHGAHERLRAEPTVGTFLVR DSRQRNCFVALSVKMASGPTSIRVHFQAGRFHLDGSRESFDCLFELLEHYVAA PRRMLGAPLRQRRVRPLQELCRQIRIVATVGRENLARIPVLRDYLSSFPFQI
<b>Research Area</b>	Immunology
<b>Source</b>	Yeast
<b>Target Names</b>	SOCS1
<b>Protein Names</b>	Recommended name: Suppressor of cytokine signaling 1 Short name= SOCS-1 Alternative name(s): JAK-binding protein Short name= JAB STAT-induced STAT inhibitor 1 Short name= SSI-1 Tec-interacting protein 3 Short name=
<b>Expression Region</b>	1-211aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

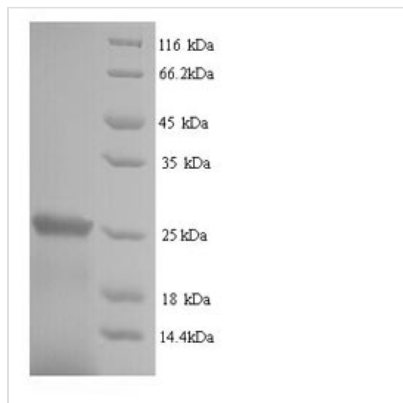


**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 25.6kDa

**Protein Length** Full Length

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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