



Recombinant Human Suppressor of cytokine signaling 1 (SOCS1)

Product Code	CSB-EP022388HU-B
Storage	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.
Uniprot No.	O15524
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MVAHNQVAADNAVSTAAEPRRRPEPSSSSSSSSPAAPARPRPCPAVPAPAPG DTHFRTRSHADYRRITRASALLDACGFYWGPLSVHGAHERLRAEPVGTFLVR DSRQRNCFVALSVKMASGPTSIRVHFQAGRFHLDGSRESFDCLFELLEHYVAA PRRMLGAPLRQRRVRPLQELCRQIVATVGRENLARIPLNPVLRDYLSSFPFQI
Research Area	Immunology
Source	E.coli
Target Names	SOCS1
Protein Names	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=
Expression Region	1-211aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length
Target Details	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 can be induced by a subset of cytokines, including IL2, IL3 erythropoietin (EPO), CSF2/GM-CSF, and interferon (IFN)-gamma. This protein functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of this gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival.
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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