



# Recombinant Rat Suppressor of cytokine signaling 1 (Socs1)

<b>Product Code</b>	CSB-EP022388RA
<b>Abbreviation</b>	Socs1
<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>	Q9QX78
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVARNQVAAD NAISPASEPR RRPEPSSSSS SSSPAAPRRP RPCPVVPAPA PGDTHFRTR SHSDYRRITR TSALLDACGF YWGPLSVHGA HERLRAEPVG TFLVRDSRQR NCFVALSVKM ASGPTSIRVH FQAGRFLDG SRETFDCLFE LLEHYVAAPR RMLGAPLRQR RVRPLQELCR QRIVAAVGRE NLARIPLNPV LRDYLSSFPF QI
<b>Source</b>	E.coli
<b>Target Names</b>	Socs1
<b>Protein Names</b>	Recommended name: Suppressor of cytokine signaling 1 Short name= SOCS-1
<b>Expression Region</b>	1-212
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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