



Recombinant Rat Suppressor of cytokine signaling 1 (Socs1)

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