



# Recombinant Rat Suppressor of cytokine signaling 3 (Socs3)

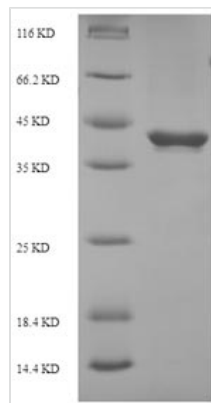
<b>Product Code</b>	CSB-EP022392RA
<b>Relevance</b>	SOCS family proteins form part of a classical negative feedback syst that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo. Probable substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Ses to recognize IL6ST .
<b>Abbreviation</b>	Recombinant Rat Socs3 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>	O88583
<b>Alias</b>	Cytokine-inducible SH2 protein 3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MVTHSKFPAAGMSRPLDTSLRLKTFSSKSEYQLVVNAVRKLQESGFYWSAVT GGEANLLLSAEPAGTFLIRDSSDQRHFFTLVETQSGTKNLRIQCEGGSFSLQ SDPRSTQPVPRFDCVLKLVHHYMPPPGAPSFSLPPTEPSFEVQEPPAQUALP GGTPKRAYYIYSGGEKIPLVLSRPLSSNVATLQHLCRKTVNGHLDSEYKVTQLP GPIREFLDQYDAPL
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Socs3
<b>Protein Names</b>	Recommended name: Suppressor of cytokine signaling 3 Short name= SOCS-3 Alternative name(s): Cytokine-inducible SH2 protein 3
<b>Expression Region</b>	1-225aa
<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>	N-terminal 6xHis-SUMO-tagged



**Mol. Weight** 40.8kDa

**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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