



# Recombinant Rat Suppressor of cytokine signaling 2 (Socs2)

<b>Product Code</b>	CSB-EP022389RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O88582
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTLRCLEPSG NGADRTRSQW GTAGSPEDQS PEAARLAKAL RELSQTGWYW GSMTVNEAKE KLKEAPEGTF LIRDSSHSDY LLTISVKTSA GPTNLRIEYQ DGKFR LDSII CVKSKLKQFD SVVHLIDYYV QMCKDKRTGP EAPRNGTVHL YLTKPLYTSA PTLQHFCRLS INKCTGTIRG LPLPTRLKDY LEEYKFQV
<b>Source</b>	E.coli
<b>Target Names</b>	Socs2
<b>Protein Names</b>	Recommended name: Suppressor of cytokine signaling 2 Short name= SOCS-2 Alternative name(s): Cytokine-inducible SH2 protein 2
<b>Expression Region</b>	1-198
<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 erythropoietin, GM-CSF, IL10 and interferon (IFN)-gamma. This protein is found to interact with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R), and thus is thought to be involved in the regulation of IGF1R mediated cell signaling. Knockout studies in mice also suggested a regulatory role of this gene in IGF-1 related growth control.
<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.
<b>Shelf Life</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.