



Recombinant Rat Suppressor of cytokine signaling 2 (Socs2)

Product Code	CSB-BP022389RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O88582
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p> MTLRCLEPSG NGADRTRSQW GTAGSPEDQS PEAARLAKAL RELSQTGWYW GSMTVNEAKE KLKEAPEGTF LIRDSSHSDY LLTISVKTSA GPTNLRIEYQ DGKFR LDSII CVKSKLKQFD SVVHLIDYYV QMCKDKRTGP EAPRNGTVHL YLTKPLYTSA PTLQHFCRLS INKCTGTIRG LPLPTRLKDY LEEYKFQV </p>
Source	Baculovirus
Target Names	Socs2
Protein Names	Recommended name: Suppressor of cytokine signaling 2 Short name= SOCS-2 Alternative name(s): Cytokine-inducible SH2 protein 2
Expression Region	1-198
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	<p> 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. </p>
Reconstitution	<p> 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. </p>
Shelf Life	<p> 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 </p>



of lyophilized form is 12 months at -20°C/-80°C.