Recombinant Rat Suppressor of cytokine signaling 2 (Socs2)

Product Code	CSB-EP022389RA-B
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	MTLRCLEPSG NGADRTRSQW GTAGSPEDQS PEAARLAKAL RELSQTGWYW GSMTVNEAKE KLKEAPEGTF LIRDSSHSDY LLTISVKTSA GPTNLRIEYQ DGKFRLDSII CVKSKLKQFD SVVHLIDYYV QMCKDKRTGP EAPRNGTVHL YLTKPLYTSA PTLQHFCRLS INKCTGTIRG LPLPTRLKDY LEEYKFQV
Source	E.coli
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	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.
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	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.