

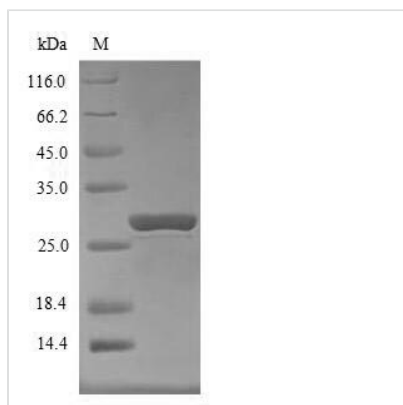


Recombinant Mouse Suppressor of cytokine signaling 1 (Socs1)

Product Code	CSB-EP022388MO
Relevance	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival. Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway
Abbreviation	Recombinant Mouse Socs1 protein
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.	O35716
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MVARNQVAADNAISPAAEPRRRSEPSSSSSSSSPAAPVRPRPCPAVPAPAPG DTHFRTFRSHSDYRRITRTSALLDACGFYWGPLSVHGAHERLRAEPVGTFLVR DSRQRNCFVALSVKMASGPTSIRVHFQAGRFHLDGSRETFDCLFELLEHYVAA PRRMLGAPLRQRRVRPLQELCRQRIVAAVGRENLARIPVLRDYLSSFPFQI
Research Area	Immunology
Source	E.coli
Target Names	Socs1
Protein Names	JAK-binding protein
Expression Region	1-212aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	28.7 kDa
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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