



Recombinant Human Suppressor of cytokine signaling 1 (SOCS1)

Product Code	CSB-YP022388HU
Relevance	SOCS family proteins form part of a classical negative feedback syst 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 ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Ses to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway.
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.	O15524
Alias	JAK-binding protein ;JABSTAT-induced STAT inhibitor 1 ;SSI-1Tec-interacting protein 3 ;TIP-3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MVAHNQVAADNAVSTAAEPRRRPEPSSSSSSSPAAPARPRPCPAVPAPAPG DTHFRTFRSHADYRRITRASALLDACGFYWGPLSVHGAHERLRAE PVGTFLVR DSRQRNCF FALSVKMASGPTSIRVHFQAGRFHLDGSRESFDCLFELLEHYVAA PRRMLGAPLRQRRVRPLQELCRQ RIVATVGRENLARIP LNPVLRDYLSSFPFQI
Lead Time	3-7 business days
Research Area	Immunology
Source	Yeast
Gene Names	SOCS1
Protein Names	Recommended name: Suppressor of cytokine signaling 1 Short name= SOCS-1 Alternative name(s): JAK-binding protein Short name= JAB STAT-induced STAT inhibitor 1 Short name= SSI-1 Tec-interacting protein 3 Short name=
Expression Region	1-211aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

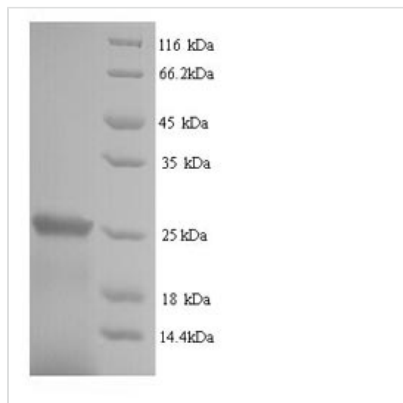


Tag Info N-terminal 6xHis-tagged

Mol. Weight 25.6kDa

Protein Description 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.