



# Recombinant Human Suppressor of cytokine signaling 1 (SOCS1)

<b>Product Code</b>	CSB-EP022388HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human SOCS1 protein
<b>Storage</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.
<b>Uniprot No.</b>	O15524
<b>Alias</b>	JAK-binding protein ;JABSTAT-induced STAT inhibitor 1 ;SSI-1Tec-interacting protein 3 ;TIP-3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MVAHNQVAADNAVSTAAEPRRRPEPSSSSSSSSPAAPARPRPCPAVPAPAPG DTHFRTRFRSHADYRRITRASALLDACGFYWGPLSVHGAHERLRAEVPVGTFLVR DSRQRNCFVALSVKMASGPTSIRVHFQAGRFHLDGSRESFDCLFELLEHYVAA PRRMLGAPLRQRRVRPLQELCRQIVATVGRENLARIPVLRDYLSSFPFQI
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	SOCS1
<b>Expression Region</b>	1-211aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	27.6kDa
<b>Protein Length</b>	Full Length





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