



# Recombinant Human Suppressor of cytokine signaling 5 (SOCS5)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP022394HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O75159  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MDKVGKMWNN FKYRCQNLFG HEGGSRSENV DMNSNRCLSV<br>KEKNISIGDS TPQQQSSPLR ENIALQLGLS PSKNSSRRNQ NCATEIPQIV<br>EISIEKDNDSD CVTPGTRLAR RDSYSRHAPW GGKKKHSCST KTQSSLDADK<br>KFGRTSGLQ RRERRYGVSS VHDMDSVSSR TVGSRSLRQR<br>LQDTVGLCFP MRTYSKQSKP LFSNKRKIHL SELMLEKCPF PAGSDLAQKW<br>HLIKQHTAPV SPHSTFFDTF DPSLVSTED EDRLRERRRL SIEEGVDPPP<br>NAQIHTFEAT AQVNPLYKLG PKLAPGMTEI SGDSSAIPQA NCDSEEDTTT<br>LCLQSRRQKQ RQISGDSHTH VSRQGAWKVH TQIDYIHCLV PDLLQITGNP<br>CYWGVMDRYE AEALLEGKPE GTFLLRDSAQ EDYLFSVSFR RYNRSLHARI<br>EQWNHNFSFD AHDPVCFHSS TVTGLLEHYK DPSSCMFFEP LLTISLNRTF<br>PFSLQYICRA VICRCTTYDG IDGLPLPSML QDFLKEYHYK QKVRVRWLER<br>EPVKAK |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | SOCS5   |
| <b>Protein Names</b>     | Recommended name: Suppressor of cytokine signaling 5 Short name= SOCS-5<br>Alternative name(s): Cytokine-inducible SH2 protein 6 Short name= CIS-6<br>Cytokine-inducible SH2-containing protein 5   |
| <b>Expression Region</b> | 1-536   |
| <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>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This protein contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS) family, also known as STAT-induced STAT inhibitor (SSI) protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The specific function of this protein has not yet been determined. Two alternatively spliced transcript variants encoding an identical protein have been reported.  |
| <b>Reconstitution</b>    | 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.

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**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.