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# SOCS3 Human

*Suppressor Of Cytokine Signaling 3 Human Recombinant*
*RCP2185*

## Product Overview

| | |
|---|---|
| Name | SOCS3 Human |
| **Description** | |
| Suppressor Of Cytokine Signaling 3 Human Recombinant | |
| Accession (Primary) | O14543 |
| **Synonyms** | |
| Suppressor Of Cytokine Signaling 3, CIS3, SSI3, Cytokine-Inducible SH2 Protein 3, STAT-Induced STAT Inhibitor 3, ATOD4, Cish3, MGC71791, CIS-3. | |
| **Introduction** | |
| Suppressor of Cytokine Signaling 3, also known as SOCS3 belongs to the SOCS family; in addition SOCS3 is a member of the STAT-induced STAT inhibitor (SSI). The SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of SOCS3 is induced by different cytokines, including IL6 and IL10. SOCS3 can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of SOCS3 have shown the roles of SOCS3 in the negative regulation of fetal liver hematopoiesis, and placental development. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear solution. | |
| **Formulation** | |
| SOCS3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles. | |
| **Purity** | |
| Greater than 90% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH MVT HSKFPAAGMS RPLDTSLRLK TFSSKSEYQL VVNAVRKLQE SGFYWSAVTG GEANLLLSAE PAGTFLIRDS SDQRHFFTLS VKTQSGTKNL RIQCEGGSFS LQSDPRSTQP VPRFDCVLKL VHHYMPPPGA PSFPSPPTEP SSEVPEQPSA QPLPGSPPRR AYYIYSGGEK | |

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IPLVLSRPLS SNVATLQHLC RKTVNGHLDS YEKVTQLPGP IREFLDQYDA PL

**Precautions**

SOCS3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( O14543 )