

## Product datasheet for **AR51409PU-N**

### SOCS3 / CIS3 (1-225, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SOCS3 / CIS3 (1-225, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMVT HSKFPAAGMS RPLDTSRLRK TFSSKSEYQL VVNAVRKLQE SGFYWSAVTG GEANLLLSAE PAGTFLIRDS SDQRHFFTLS VKTQSGTKNL RIQCEGGSFS LQSDPRSTQP VPRFDCVLKL VHHYMPPPGA PSFSPPTPEP SSEVPEQPSA QPLPGSPRR AYYIYSGGEK IPLVLSRPLS SNVATLQHLC RKTVNGHLDS YEKVTQLPGP IREFLDQYDA PL
Tag:	His-tag
Predicted MW:	29 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SOCS3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_003946</a>
Locus ID:	9021
UniProt ID:	<a href="#">O14543</a>
Cytogenetics:	17q25.3
Synonyms:	SOCS-3, CIS-3, SSI3, SSI-3



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**Summary:**

This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Adipocytokine signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus, Ubiquitin mediated proteolysis

**Product images:**