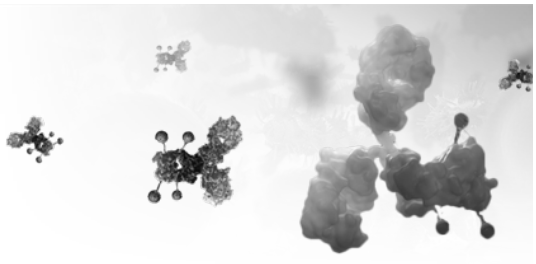

Human SOCS1 peptide (DAG-P1991)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 can be induced by a subset of cytokines, including IL2, IL3 erythropoietin (EPO), CSF2/GM-CSF, and interferon (IFN)-gamma. The protein encoded by this gene functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of this gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival. [provided by RefSeq, Jul 2008]
Specificity	Expressed in all tissues with high expression in spleen, small intestine and peripheral blood leukocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 SH2 domain.Contains 1 SOCS box domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SOCS1 suppressor of cytokine signaling 1 [Homo sapiens (human)]
Official Symbol	SOCS1

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Synonyms	SOCS1; suppressor of cytokine signaling 1; JAB; CIS1; SSI1; TIP3; CISH1; SSI-1; SOCS-1; TIP-3; JAK binding protein; JAK-binding protein; Tec-interacting protein 3; STAT induced SH3 protein 1; STAT-induced STAT inhibitor 1; cytokine-inducible SH2 protein 1;
Entrez Gene ID	8651
mRNA Refseq	NM_003745.1
Protein Refseq	NP_003736.1
UniProt ID	O15524
Chromosome Location	16p13.13
Pathway	Adaptive Immune System, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ECS complex, organism-specific biosystem; ECS complex, conserved biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; EPO Receptor Signaling, organ
Function	insulin-like growth factor receptor binding; kinase inhibitor activity; protein binding; protein kinase binding; protein kinase inhibitor activity;

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