

Recombinant Human CISH, GST-tagged

Cat. No. CISH-11255H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CISH protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-258a.a.
Description	The protein encoded by this gene contains a SH2 domain and a SOCS box domain. The protein thus belongs to the cytokine-induced STAT inhibitor (CIS), also known as suppressor of cytokine signaling (SOCS) or STAT-induced STAT inhibitor (SSI), protein family. CIS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by IL2, IL3, GM-CSF and EPO in hematopoietic cells. Proteasome-mediated degradation of this protein has been shown to be involved in the inactivation of the erythropoietin receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	CISH cytokine inducible SH2-containing protein [Homo sapiens]
Official Symbol	CISH
Synonyms	CISH; cytokine inducible SH2-containing protein; cytokine-inducible SH2-containing protein; CIS; CIS 1; G18; SOCS; suppressor of cytokine signaling; cytokine-inducible inhibitor of signaling type 1B; CIS-1; BACTS2;
Gene ID	1154
mRNA Refseq	NM_013324
Protein Refseq	NP_037456
MIM	602441
UniProt ID	Q9NSE2
Chromosome Location	3p21.3
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; ECS complex, organism-specific biosystem; ECS complex, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; IL-2 Signaling Pathway, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem;
Function	molecular_function;

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