



# Recombinant Rat Cytokine-inducible SH2-containing protein (Cish)

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| <b>Product Code</b>      | CSB-EP005445RA   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O70512   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | VLCVQGSCPL LVVEQIGQRP LWAQSLELPG PAMQPLPTGA FP EEVTEETP<br>VQSENEPKVL DPEGDLLCIA KTFSYLRESG WYWGSITASE ARQHLQKMPE<br>GTFLVRDSTH PSYLFTLSVK TTRGPTNVRI EYADSSFRLD SNCLSRPRIL<br>AFPDVVSLVQ HYVASCTADT RSDSPDPAPT PALPVSKPDA PGDPVLPPIV<br>ATAVHLKLVQ PFVRRSSARS LQHLCRLVIN RLVTDVDCLP LPRRMADYLR<br>QYPFQL  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Cish   |
| <b>Protein Names</b>     | Recommended name: Cytokine-inducible SH2-containing protein Short name=<br>CIS Alternative name(s): CIS-1 Suppressor of cytokine signaling Short name=<br>SOCS   |
| <b>Expression Region</b> | 1-256  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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<br>belongs to the cytokine-induced STAT inhibitor (CIS), also known as suppressor<br>of cytokine signaling (SOCS) or STAT-induced STAT inhibitor (SSI), protein<br>family. CIS family members are known to be cytokine-inducible negative<br>regulators of cytokine signaling. The expression of this gene can be induced by<br>IL2, IL3, GM-CSF and EPO in hematopoietic cells. Proteasome-mediated<br>degradation of this protein has been shown to be involved in the inactivation of<br>the erythropoietin receptor. Multiple transcript variants encoding different<br>isoforms have been found for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>concentration of glycerol is 50%. Customers could use it as reference.  |



## 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.