



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

Product Code	CSB-MP005445RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70512
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	VLCVQGSCPL LVVEQIGQRP LWAQSLELPG PAMQPLPTGA FP EEVTEETP VQSENEPKVL DPEGDLLCIA KTFSYLRESG WYWGSITASE ARQHLQKMPE GTFLVRDSTH PSYLFTLSVK TTRGPTNVRI EYADSSFRLD SNCLSRPRIL AFPDVVSLVQ HYVASCTADT RSDSPDPAPT PALPVSKPDA PGDPVLPPIV ATAVHLKLVQ PFVRRSSARS LQHLCRLVIN RLVTDVDCLP LPRRMADYLR QYPFQL
Source	Mammalian cell
Target Names	Cish
Protein Names	Recommended name: Cytokine-inducible SH2-containing protein Short name= CIS Alternative name(s): CIS-1 Suppressor of cytokine signaling Short name= SOCS
Expression Region	1-256
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final 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.