Recombinant Human SOCS2 protein (His tag)

Catalog Number:PDEH100325



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Suppressor of cytokine signaling 2;SOCS2;Cytokine-inducible SH2 protein 2;STAT-

induced STAT inhibitor 2

SpeciesHumanExpression HostE.coli

SequenceMet 1-Val 198AccessionO14508Calculated Molecular Weight21.7 kDaObserved molecular weight25 kDa

Tag N-His & C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin Please contact us for more information.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4.

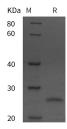
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

SOCS-2 (Suppressor of cytokine signaling 2; also CIS-2 and SSI-2) is a 25 kDa member of the SOCS family of proteins. It is an SH2-domain containing cytoplasmic adaptor protein expressed by multiple cell types. It blocks receptor signaling by binding to phosphorylated tyrosines in the cytoplasmic domain of select receptors, including the receptors for leptin, IGF-I and GH. Human SOCS-2 is 198 amino acids (aa) in length and contains one SH2 domain (aa 48?156) and a SOCS box (aa 160?198) that mediates interaction with elongin B or C of the E3 ubiquitin ligase complex. There is one splice variant that shows an Arg-rich eight aa substitution for aa 31?39. Full-length SOCS-2 is 94% and 96% aa identical to mouse and porcine SOCS-2, respectively.

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