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Datasheet for ABIN5710396

SOCS1 Protein (AA 1-211, full length) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	SOCS1
Protein Characteristics:	full length, AA 1-211
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOCS1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MVAHNQVAAD NAVSTAAEPR RRPEPSSSSS SSPAAPARPR PCPAVPAPAP GDTHFRTFRS HADYRRITRA SALLDACGFY WGPLSVHGAH ERLRAEPVGT FLVRDSRQRN CFFALSVKMA SGPTSIRVHF QAGRFDLGS RESFDCLFEL LEHYVAAPRR MLGAPLRQRR VRPLQELCRQ RIVATVGREN LARIPLNPVL RDYLSSFPFQ I
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	SOCS1
Alternative Name:	SOCS1 (SOCS1 Products)
Background:	SOCS family proteins form part of a classical negative feedback syst that regulates cytokine

Target Details

signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival. Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway.

Molecular Weight: 27.6 kDa

UniProt: [O15524](#)

Pathways: [JAK-STAT Signaling](#), [Interferon-gamma Pathway](#), [TLR Signaling](#), [Response to Growth Hormone Stimulus](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

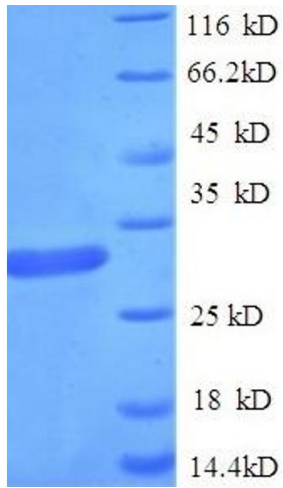
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.