

[Go to Product page](#)

Datasheet for ABIN7555561  
**SOCS5 Protein (AA 1-536) (His tag)**

## Overview

Quantity:	1 mg
Target:	SOCS5
Protein Characteristics:	AA 1-536
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOCS5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat SOCS5 Protein expressed in mammalian cells.
Sequence:	MDKVGKMWNN FKYRCQNLFG HEGGRSENV DMNSNRCLSV KEKNISIGDS TPQQSSPLR ENIALQLGLS PSKNSSRRNQ NCATEIPQIV EISIEKDNDS CVTPGTRLAR RDSYSRHAPW GGKKKHSCST KTQSSLDADK KFGRTSGLQ RRERRYGVSS VHDMDSVSSR TVGSRSLRQR LQDTVGLCFP MRTYSKQSKP LFSNKRKIHL SELMLEKCPF PAGSDLAQKW HLIQHTAPV SPHSTFFDTF DPSLVSTEDE EDRLRERRRL SIEGVDPPP NAQIHTFEAT AQVNPLYKLG PKLAPGMTEI SGDSSAIPQA NCDSEEDTTT LCLQSRQKQ RQISGDSHTH VSRQGAWKVH TQIDYIHCLV PDLLQITGNP CYWGVMDRYE AEALLEGKPE GTFLLRDSAQ EDYLFSVSFR RYNRS LHARI EQWNHNFSFD AHDPCVFHSS TVTGLLEHYK DPSSCMFFEP LLTISLNRTF PFSLQYICRA VICRCTTYDG IDGLPLPSML QDFLKEYHYK QKVRVWLER EPVKAK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you</b>

## Product Details

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**have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

SOCS5

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### Alternative Name:

SOCS5 ([SOCS5 Products](#))

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### Background:

Suppressor of cytokine signaling 5 (SOCS-5) (Cytokine-inducible SH2 protein 6) (CIS-6) (Cytokine-inducible SH2-containing protein 5),FUNCTION: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. May be a substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Inhibits for instance EGF signaling by mediating the degradation of the EGF receptor/EGFR. Involved in the regulation of T-helper cell differentiation by inhibiting of the IL4 signaling pathway which promotes differentiation into the Th2 phenotype. Can also partially inhibit IL6 and LIF signaling. {ECO:0000269|PubMed:15590694}.

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### Molecular Weight:

61.2 kDa

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## Target Details

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UniProt: [O75159](#)

Pathways: [JAK-STAT Signaling](#), [EGFR Signaling Pathway](#), [Positive Regulation of Immune Effector Process](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months