

Datasheet for ABIN7562372
SOCS3 Protein (AA 1-225) (His tag)



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Overview

Quantity:	1 mg
Target:	SOCS3
Protein Characteristics:	AA 1-225
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOCS3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Socs3 Protein expressed in mammalien cells.
Sequence:	MVTHSKFPAA GMSRPLDTSL RLKTFSSKSE YQLVNAVVRK LQESGFYWSA VTGGEANLLL SAEPAGTFLI RDSSDQRHFF TLSVKTQSGT KNLRIQCEGG SFSLQSDPRS TQPVPRFDCV LKLVVHHYMP PPSTPSFSLPP TEPSSVEPEQ PPAQALPGST PKRAYIYISG GEKIPLVLSR PLSSNVATLQ HLCRKTVNGH LDSYEKVTQL PGPIREFLDQ YDAPL 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 have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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.

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

Grade: custom-made

Target Details

Target: SOCS3

Alternative Name: Socs3 ([SOCS3 Products](#))

Background: Suppressor of cytokine signaling 3 (SOCS-3) (Cytokine-inducible SH2 protein 3) (CIS-3) (Protein EF-10),FUNCTION: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including IL6ST/gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors (PubMed:10821852, PubMed:12754505, PubMed:9889194). Binding to JAK2 inhibits its kinase activity and regulates IL6 signaling (PubMed:12754505, PubMed:9889194). Suppresses fetal liver erythropoiesis (PubMed:10490101). Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells (PubMed:12847520). Probable 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 (By similarity). {ECO:0000250|UniProtKB:O14543, ECO:0000269|PubMed:10490101, ECO:0000269|PubMed:10821852, ECO:0000269|PubMed:12754505, ECO:0000269|PubMed:12847520, ECO:0000269|PubMed:9889194}.

Molecular Weight: 24.8 kDa

Target Details

UniProt: [O35718](#)

Pathways: [JAK-STAT Signaling, Response to Growth Hormone Stimulus, Hepatitis C](#)

Application Details

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

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
