

Datasheet for ABIN7555531
SOCS1 Protein (AA 1-211) (His tag)



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Overview

Quantity:	1 mg
Target:	SOCS1
Protein Characteristics:	AA 1-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOCS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SOCS1 Protein expressed in mammalian cells.
Sequence:	<p>MVAHNQVAAD NAVSTAAEPR RRPEPSSSSS SSPAAPARPR PCPAVPAPAP GDTHFRTFRS HADYRRITRA SALLDACGFY WGPLSVHGAH ERLRAEPVGT FLVRDSRQRN CFFALSVKMA SGPTSIRVHF QAGRFHLDGS RESFDCLFEL LEHYVAAPRR MLGAPLRQRR VRPLQELCRQ RIVATVGREN LARIPLNPVL RDYLSSFPFQ 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SOCS1
Alternative Name:	SOCS1 (SOCS1 Products)
Background:	<p>Suppressor of cytokine signaling 1 (SOCS-1) (JAK-binding protein) (JAB) (STAT-induced STAT inhibitor 1) (SSI-1) (Tec-interacting protein 3) (TIP-3),FUNCTION: Essential negative regulator of type I and type II interferon (IFN) signaling, as well as that of other cytokines, including IL2, IL4, IL6 and leukemia inhibitory factor (LIF) (PubMed:32499645, PubMed:33087723).</p> <p>Downregulates cytokine signaling by inhibiting the JAK/STAT signaling pathway. Acts by binding to JAK proteins and to IFNGR1 and inhibiting their kinase activity. In vitro, suppresses Tec protein-tyrosine activity (PubMed:9341160). Regulates IFN-gamma (IFNG)-mediated sensory neuron survival (By similarity). 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 (PubMed:11278610, PubMed:11313480). {ECO:0000250 UniProtKB:O35716, ECO:0000269 PubMed:11278610, ECO:0000269 PubMed:11313480, ECO:0000269 PubMed:32499645, ECO:0000269 PubMed:33087723, ECO:0000269 PubMed:9341160}.</p>
Molecular Weight:	23.6 kDa

Target Details

UniProt:	O15524
Pathways:	JAK-STAT Signaling , Interferon-gamma Pathway , TLR Signaling , Response to Growth Hormone Stimulus

Application Details

Application Notes:	We expect the protein to work for functional studies. 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