

Product datasheet

Recombinant Human SOCS3 protein ab131811

1 图像

描述

产品名称	重组人SOCS3蛋白
表达系统	Wheat germ
Accession	<u>O14543</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MVTHSKFPAAGMSRPLDTSRLKTFSSKSEYQLVVNAVRKLQ ESGFYWSA VTGGEANLLL SAEPAGTFLIRDSSDQRHFFTL SVKTQSGTKN LRIQCEGG SFSLQSDPRSTQPVPRFDCVLKLVHHYMPPPGAPSPSPTE PSSEVPEQ PSAQPLPGSPRRAYYIYSGGEKIPLVLSRPLSSNVATLQHL CRKTVNGH LDSYEKVTQLPGPIREFLDQYDAPL
预测分子量	50 kDa including tags
氨基酸	1 to 225
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab131811** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Western blot SDS-PAGE ELISA
形式	Liquid

制备和贮存

稳定性和存储 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

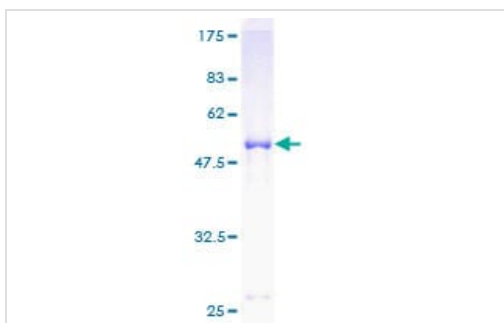
pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

功能	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 gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo (By similarity). 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. Seems to recognize IL6ST.
组织特异性	Widely expressed with high expression in heart, placenta, skeletal muscle, peripheral blood leukocytes, fetal and adult lung, and fetal liver and kidney. Lower levels in thymus.
通路	Protein modification; protein ubiquitination.
疾病相关	Note=There is some evidence that SOCS3 may be a susceptibility gene for atopic dermatitis linked to 17q25. SOCS3 messenger RNA is significantly more highly expressed in skin from patients with atopic dermatitis than in skin from healthy controls. Furthermore, a genetic association between atopic dermatitis and a haplotype in the SOCS3 gene has been found in two independent groups of patients.
序列相似性	Contains 1 SH2 domain. Contains 1 SOCS box domain.
结构域	The ESS and SH2 domains are required for JAK phosphotyrosine binding. Further interaction with the KIR domain is necessary for signal and kinase inhibition. The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes.
翻译后修饰	Phosphorylated on tyrosine residues after stimulation by the cytokines, IL-2, EPO or IGF1.

图片



12.5% SDS-PAGE analysis of ab131811 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human SOCS3 protein
(ab131811)

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