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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Datasheet

SOCS2 (Human) Recombinant Protein (P01)

Catalog Number: H00008835-P01

Regulation Status: For research use only (RUO)

Product Description: Human SOCS2 full-length ORF (NP_003868.1, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MTLRCLPESGNGGEGTRSQWGTAGSAEEPSPQAARL
AKALRELGQTGWYWGSMVTVNEAKEKLKEAPEGTFLIR
DSSHSDYLLTISVKTSAGPTNLRIEYQDGKFRDLSIICV
KSKLQKQFDSVVHLIDYYVQMCKDKRTGPEAPRNGTVH
LYLTKPLYTSAPSLQHLCLRLTINKCTGAIWGLPLPTRLK
DYLEEYKFQV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 48.6

Interspecies Antigen Sequence: Mouse (93); Rat (93)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8835

Gene Symbol: SOCS2

Gene Alias: CIS2, Cish2, SOCS-2, SSI-2, SSI2, STATI2

Gene Summary: This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10 and interferon (IFN)-gamma. The protein encoded by this gene is found to interact with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R), and thus is thought to be involved in the regulation of IGF1R mediated cell signaling. Knockout studies in mice also suggested a regulatory role of this gene in IGF-1 related growth control. [provided by RefSeq]

References:

1. KIAA0317 regulates pulmonary inflammation through SOCS2 degradation. Lear TB, McKelvey AC, Evankovich JW, Rajbhandari S, Coon TA, Dunn SR, Londino JD, McVerry BJ, Zhang Y, Valenzi E, Burton CL, Gordon R, Gingras S, Lockwood KC, Jurczak MJ, Lafyatis R, Shlomchik MJ, Liu Y, Chen BB. JCI Insight. 2019 Oct 3;4(19). pii: 129110. doi: 10.1172/jci.insight.129110.
2. STAT5A-mediated SOCS2 expression regulates Jak2 and STAT3 activity following c-Src inhibition in head and neck squamous carcinoma. Sen B, Peng SH, Woods DM, Wistuba II, Bell D, El-Naggar AK, Lai SY, Johnson FM. Clin Cancer Res. 2011 Nov 16.