

p-Y-STAT1,3,5 dimer enhances expression of SOCS1

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 88

This document contains 1 reaction ([see Table of Contents](#))

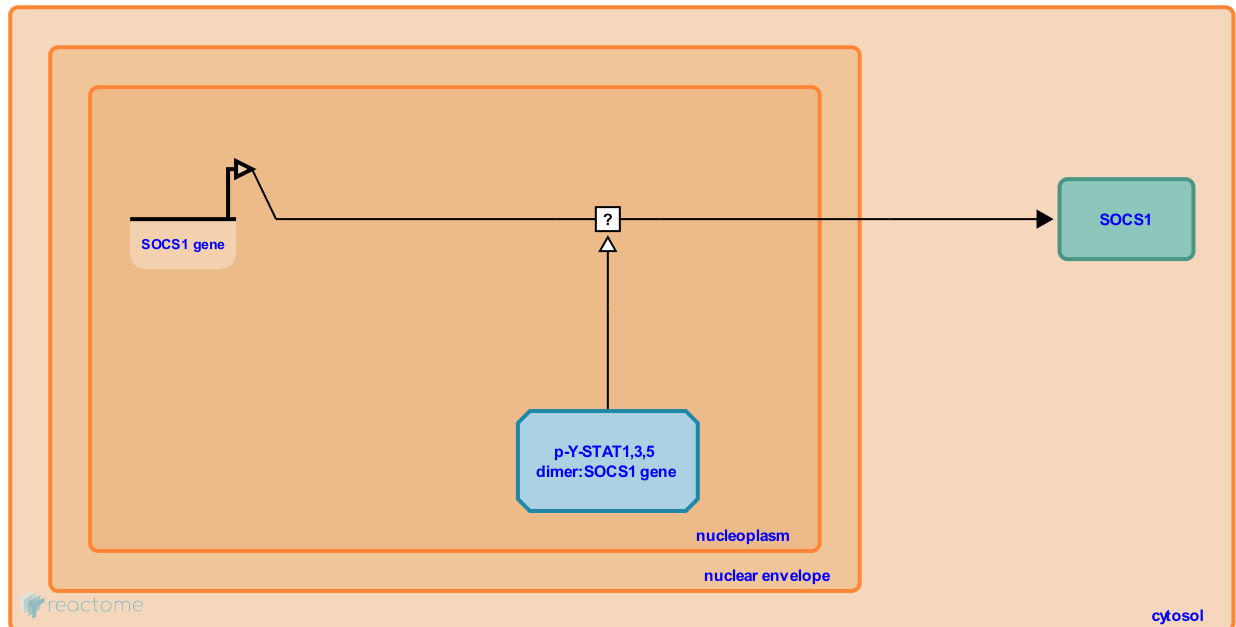
p-Y-STAT1,3,5 dimer enhances expression of SOCS1 ↗

Stable identifier: R-HSA-9705466

Type: uncertain

Compartments: nucleoplasm, cytosol

Inferred from: p-Y-Stat1,3,5 dimer enhances expression of Socs1 (Mus musculus)



The SOCS1 gene is transcribed to yield mRNA and the mRNA is translated to yield SOCS1 protein (inferred from mouse homologs). Transcription of the SOCS1 gene is enhanced by STAT1, STAT3, and STAT5 (inferred from mouse homologs).

Editions

2020-10-18

Authored, Edited

May, B.

2020-12-12

Reviewed

Touw, IP.