

IL22RA1 binds JAK1

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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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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Reactome database release: 75

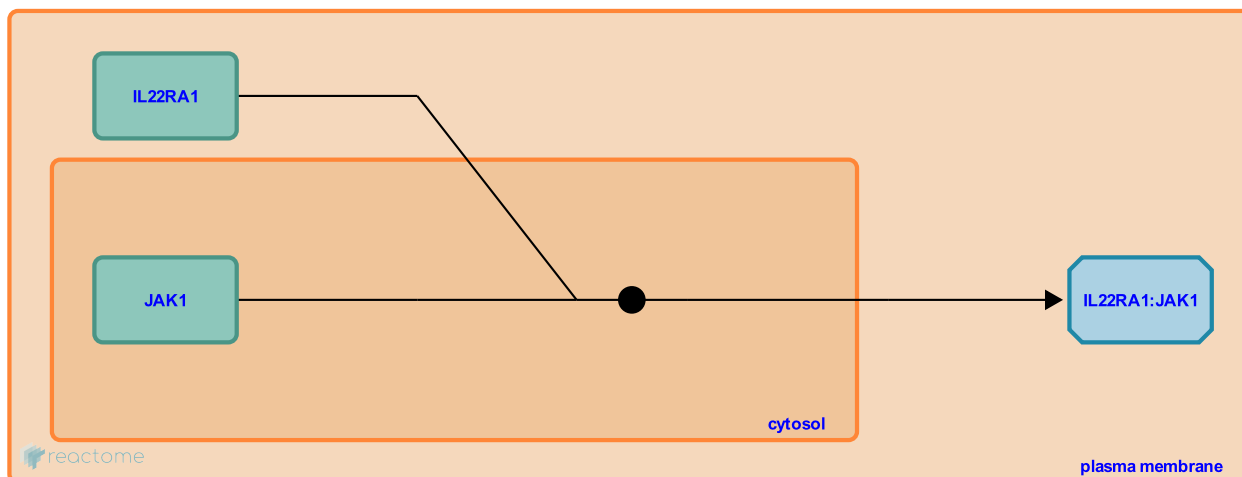
This document contains 1 reaction ([see Table of Contents](#))

IL22RA1 binds JAK1 [↗](#)

Stable identifier: R-HSA-8987043

Type: binding

Compartments: cytosol, plasma membrane



Tyrosine protein kinase JAK1 (JAK1) binds to Interleukin-22 receptor subunit alpha 1 (IL22RA1). IL22RA1 was identified as one of several interleukin receptors able to bind JAK1 in coimmunoprecipitation experiments (Ferraro et al. 2016).

Literature references

Ferraro, R., Wallweber, HJ., Ho, H., Tam, C., Franke, Y., Quinn, J. et al. (2016). The Structural Basis for Class II Cytokine Receptor Recognition by JAK1. *Structure*, 24, 897-905. [↗](#)

Editions

2017-03-16	Authored	Duenas, C.
2017-11-07	Edited	Jupe, S.
2017-11-15	Reviewed	Datta, SK.