

# JLP interacts with CDO complex

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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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 74

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

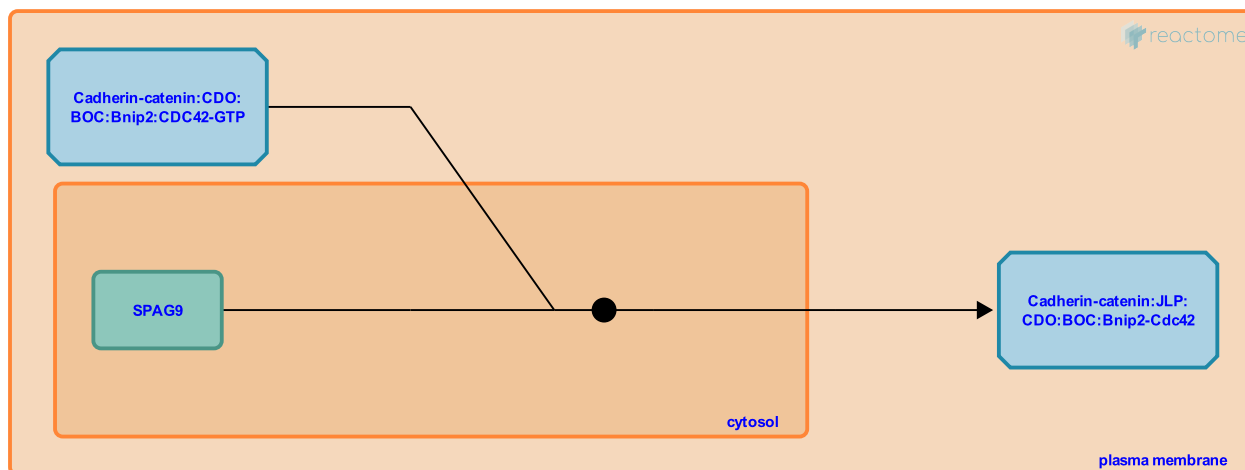
## JLP interacts with CDO complex ↗

**Stable identifier:** R-HSA-376117

**Type:** binding

**Compartments:** cytosol, plasma membrane

**Inferred from:** JLP interacts with CDO complex (*Mus musculus*)



JLP is a scaffold protein for the p38 MAPK pathway. During myogenic differentiation JLP binds the intracellular region of CDO which in turn binds p38 leading to p38 activation. The major CDO-binding region of JLP resides between amino acids 465-647.

### Editions

2008-08-11	Authored, Edited	Garapati, P V.
2010-02-09	Reviewed	Krauss, RS.