

Tyrosine kinase Hopscotch (HOP) binds to the transmembrane cytokine receptor Domeless (DOME) to form the HOP:DOME 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. [↗](#)
- Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res*, 46, D649-D655. [↗](#)
- 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: 88

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

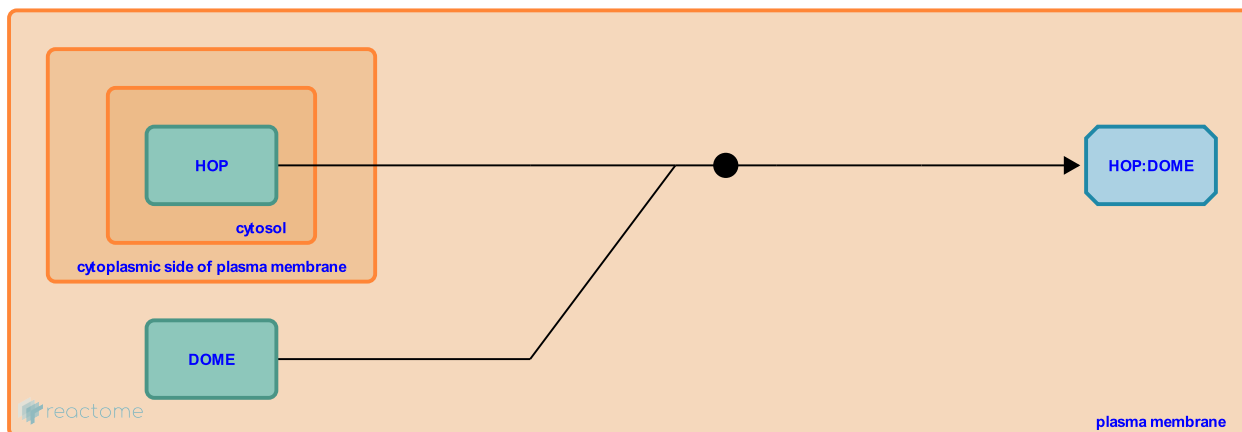
Tyrosine kinase Hopscotch (HOP) binds to the transmembrane cytokine receptor Domeless (DOME) to form the HOP:DOME complex [↗](#)

Stable identifier: R-DME-209245

Type: binding

Compartments: cytosol, plasma membrane

Inferred from: [Murine JAK2 binds to the Erythropoietin receptor, EpoR \(Mus musculus\)](#)



The Domeless (DOME) cytokine receptor contains no tyrosine kinase domain. However, it is constitutively associated with the JAK tyrosine kinase, Hopscotch (HOP).

Editions

2006-11-02	Authored	Williams, MG.
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2008-01-16	Reviewed	Perrimon, N.