

JAM3 dimerises

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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

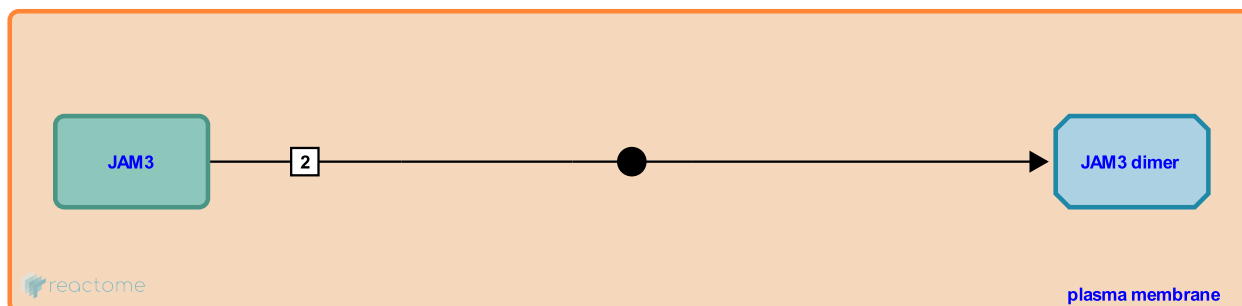
This document contains 1 reaction ([see Table of Contents](#))

JAM3 dimerises [↗](#)

Stable identifier: R-HSA-202731

Type: binding

Compartments: plasma membrane



JAM-C has been detected in epithelial-cell desmosomes. JAM-C homodimers are prominently located in endothelial-cell tight junctions.

Literature references

Imhof, BA., Aurrand-Lions, M., Iden, S., Mandicourt, G., Ebnet, K. (2007). JAM-C regulates tight junctions and integrin-mediated cell adhesion and migration. *J Biol Chem*, 282, 1830-7. [↗](#)

Weber, C., Fraemohs, L., Dejana, E. (2007). The role of junctional adhesion molecules in vascular inflammation. *Nat Rev Immunol*, 7, 467-77. [↗](#)

Editions

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