

ADAM17 binds Zn²⁺

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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

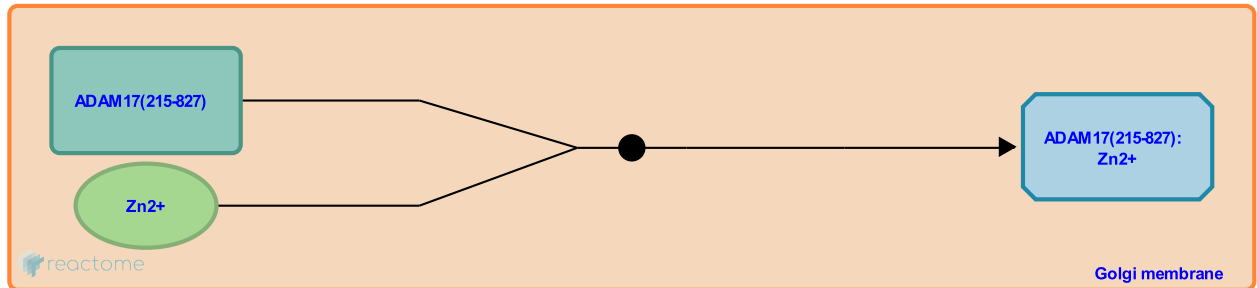
This document contains 1 reaction ([see Table of Contents](#))

ADAM17 binds Zn2+ [↗](#)

Stable identifier: R-HSA-9662773

Type: binding

Compartments: Golgi membrane



A crystallography study revealed that disintegrin and metalloproteinase domain-containing protein 17 (ADAM17) requires Zinc as a cofactor to function properly (Maskos et al. 1998).

Literature references

Castner, BJ., Bourenkov, GP., Wolfson, MF., Petersen, M., Davis, R., Reddy, P. et al. (1998). Crystal structure of the catalytic domain of human tumor necrosis factor-alpha-converting enzyme. *Proc. Natl. Acad. Sci. U.S.A.*, 95, 3408-12. [↗](#)

Editions

2020-01-07	Authored, Edited	Jassal, B.
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