

Collagen type II degradation by MMP14

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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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Reactome database release: 88

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

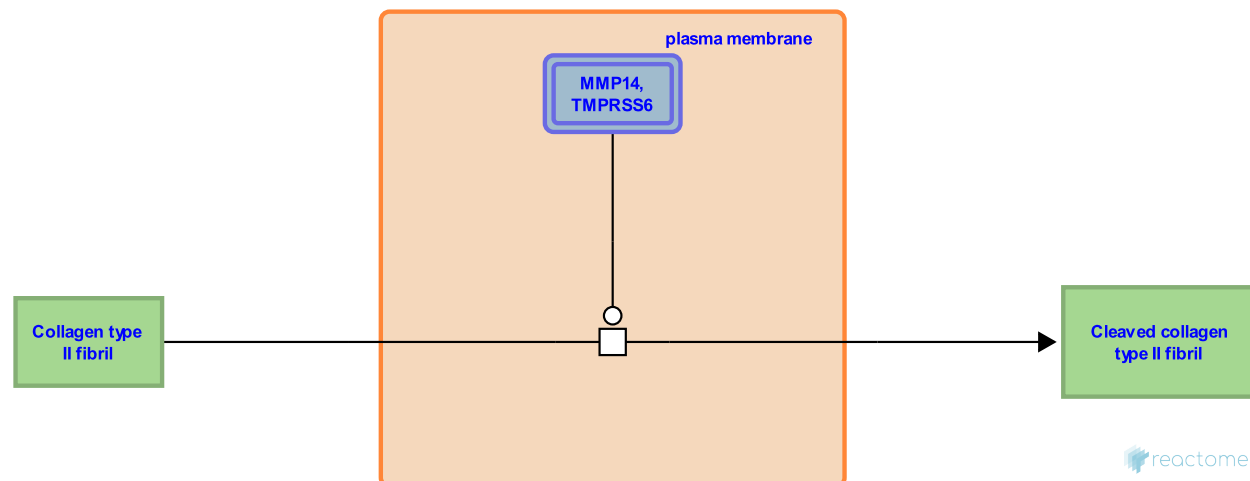
Collagen type II degradation by MMP14 [↗](#)

Stable identifier: R-HSA-1474196

Type: transition

Compartments: plasma membrane

Inferred from: [Collagen type II degradation by MMP14 \(Homo sapiens\)](#)



The membrane-type MMP MMP14 (MT1-MMP) is a fibrillar collagenase. MMP14 is able to degrade collagen types I, II and III (Ohuchi et al. 1997).

Editions

2011-07-12	Authored	Jupe, S.
2012-10-08	Reviewed	Sorsa, T.
2012-11-12	Edited	Jupe, S.