

# ANPEP:Zn<sup>2+</sup> hydrolyzes Angiotensin-(2-8) to Angiotensin-(3-8)

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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: 88

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

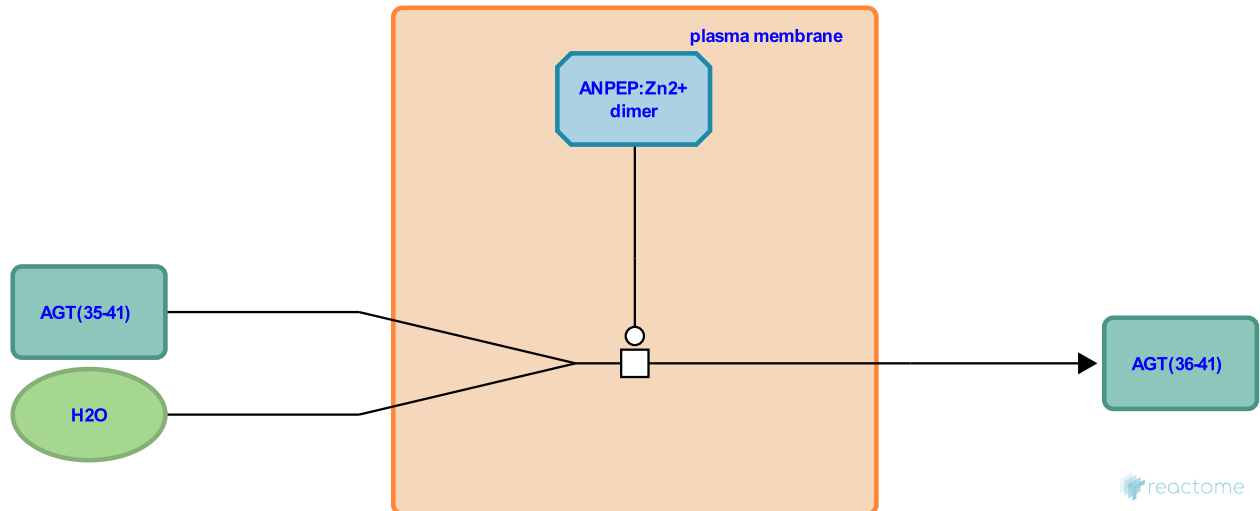
## ANPEP:Zn<sup>2+</sup> hydrolyzes Angiotensin-(2-8) to Angiotensin-(3-8) ↗

**Stable identifier:** R-HSA-2022393

**Type:** transition

**Compartments:** extracellular region, plasma membrane

**Inferred from:** [ANPEP hydrolyzes Angiotensin III to Angiotensin IV \(Oryctolagus cuniculus\)](#)



Aminopeptidase N (APN, ANPEP, aminopeptidase M, alanyl aminopeptidase) hydrolyzes angiotensin-(2-8) (angiotensin III) to yield angiotensin-(3-8) (angiotensin IV) (inferred from the rabbit homolog).

### Editions

2011-11-19	Authored, Edited	May, B.
2012-08-06	Reviewed	Joseph, J.