

ARTN binds RET:GFRA1,GFRA3

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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: 77

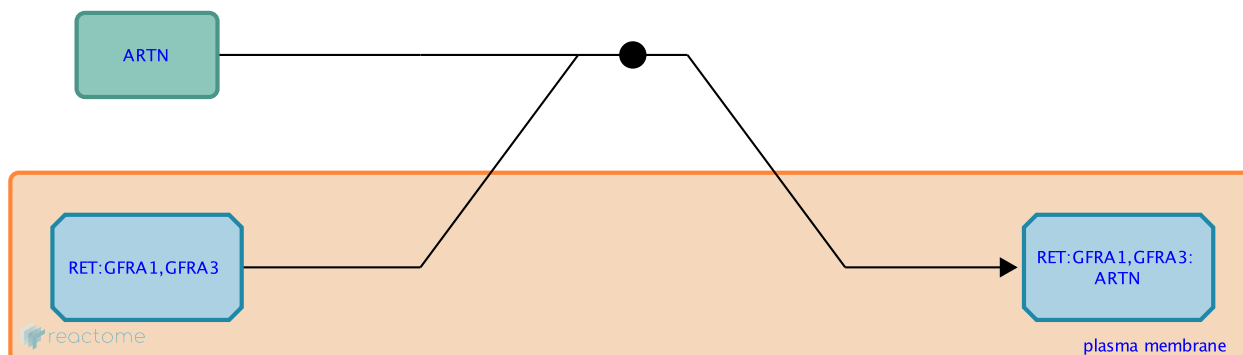
This document contains 1 reaction ([see Table of Contents](#))

ARTN binds RET:GFRA1,GFRA3 ↗

Stable identifier: R-HSA-8853800

Type: binding

Compartments: extracellular region, plasma membrane



Artemin (ARTN) is a ligand for GDNF family receptor-alpha (GFRA) 1 and 3, preferentially binding GFRA3 (Baloh et al. 1998).

Literature references

Baloh, RH., Tansey, MG., Lampe, PA., Fahrner, TJ., Enomoto, H., Simburger, KS. et al. (1998). Artemin, a novel member of the GDNF ligand family, supports peripheral and central neurons and signals through the GFRalpha3-RET receptor complex. *Neuron*, 21, 1291-302. ↗

Editions

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