

RUNX3:NOTCH1 coactivator complex binds the HES1 gene promoter

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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: 70

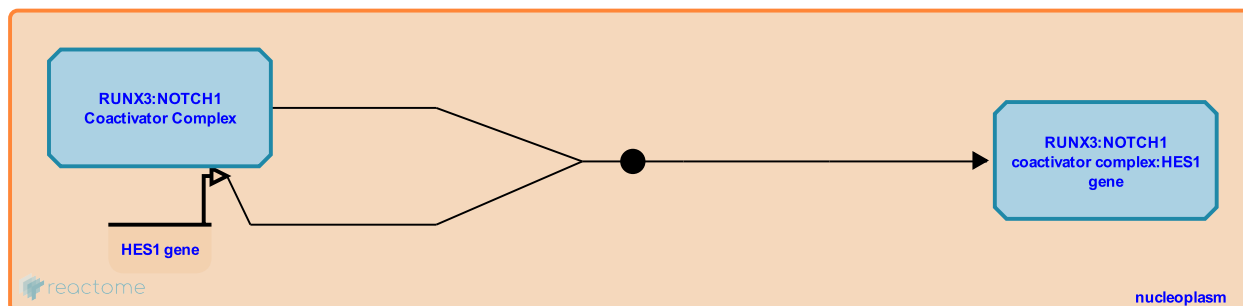
This document contains 1 reaction ([see Table of Contents](#))

RUNX3:NOTCH1 coactivator complex binds the HES1 gene promoter ↗

Stable identifier: R-HSA-8878237

Type: binding

Compartments: nucleoplasm



RUNX3, associated with the NOTCH1 coactivator complex, binds to the promoter of the HES1 gene (Gao et al. 2010).

Literature references

Gao, J., Chen, Y., Wu, KC., Liu, J., Zhao, YQ., Pan, YL. et al. (2010). RUNX3 directly interacts with intracellular domain of Notch1 and suppresses Notch signaling in hepatocellular carcinoma cells. *Exp. Cell Res.*, 316, 149-57. ↗

Editions

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