FGF10 activates Pdx1 expression in the developing early pancreatic bud

Ferrer, J., Jensen, J., Tello-Ruiz, MK.
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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FGF10 activates Pdx1 expression in the developing early pancreatic bud

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Double Fgf10/Hnf6 KO studies have shown that these two proteins play redundant roles in the maintenance of Pdx1 expression in the early pancreatic bud. Thus, while Hnf6 KO embryos have delayed expression of Pdx1, and Fgf10-deficient embryos have only a partial reduction in the Pdx1, Fgf10/Hnf6 double mutant embryos fail to generate pancreatic buds.

Literature references


Editions

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