

HNF6- and FGF10-dependent synthesis of PDX1 protein

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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: 88

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

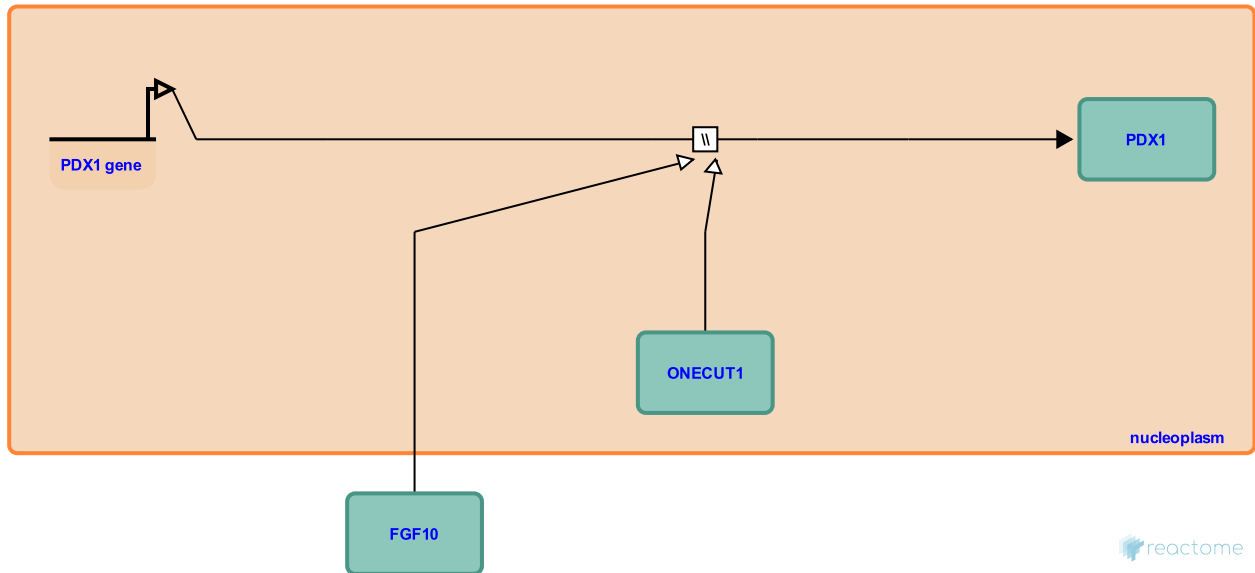
HNF6- and FGF10-dependent synthesis of PDX1 protein ↗

Stable identifier: R-HSA-210769

Type: omitted

Compartments: nucleoplasm

Inferred from: FGF10 activates Pdx1 expression in the developing early pancreatic bud (*Mus musculus*), HNF6 transactivates Pdx1 (*Mus musculus*)



The PDX1 gene is transcribed, its mRNA is translated, and the protein product is transported to the nucleus. PDX1 transcription requires the activities of the HNF6 transcription factor and FGF10. These events and interactions have not been studied directly in humans, but are inferred from corresponding ones worked out in the mouse.

Editions

2008-05-13	Edited	D'Eustachio, P.
2008-05-13	Reviewed	Jensen, J.
2008-05-24	Authored	Tello-Ruiz, MK., Ferrer, J.