

My Account

Login
Create Account

Resources

View All (813)
Adenoviruses (137)
Antibodies (175)
Bioimages (67)
Genomics Studies (145)
mESC Lines (68)
Mouse Strains (120)
Miscellaneous (46)
Protocols (55)
Research Data (4)
Resource Tags (389)
Visualization (9)



Research & Cores

Core Facilities (5)
Research Highlights (5)
Research Networks
Research Objectives

Information

About the BCBC
BCBC Events
Branding & Logos
Career Opportunities
Health
NIH hESC Registry
Policies & Guidelines
Member Publications
Research Programs
Research Investigators
Member Directory
Tutorials

Pdx1 Min6 siRNA - Study GBCO3977**Genomics Study Specifications**

Study Name	Pdx1 Min6 siRNA
Contact Name	David Groff (University of Pennsylvania)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/19855005
My Strategies	Return to My Strategies page
Classification	Cell stimulation/injury; Islet/beta-cell stimulation/injury; Targets and roles of transcriptional regulators
Links	 Biomaterials Graph  ArrayExpress
BCBC Release Date	July 21, 2010
Public Release Date	July 21, 2010
Citation	Sachdeva MM, Claiborn KC, Khoo C, Yang J, Groff DN, Mirmira RG, Stoffers DA. Pdx1 (MODY4) regulates pancreatic beta cell susceptibility to ER stress . Proc Natl Acad Sci U S A. 2009. 106:19090-5
Synopsis	<div style="border: 1px solid gray; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="background-color: #e91e63; color: white; padding: 2px 5px; border-radius: 3px;">Study Description</div> <div style="border: 1px solid gray; padding: 2px 5px;">Goals</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="border: 1px solid gray; padding: 2px 5px; width: 30%;">Approaches</div> <div style="border: 1px solid gray; padding: 2px 5px; width: 30%;">Results</div> <div style="border: 1px solid gray; padding: 2px 5px; width: 30%;">Conclusions</div> </div> <div style="border: 1px solid gray; padding: 2px 5px; margin-top: 5px;">Related Studies</div> </div> <p>In order to identify genes that are regulated by Pdx1, MIN6 insulinoma cells were transduced with adenovirus expressing a short hairpin RNA directed against murine Pdx1 (AdshPdx1) or luciferase (AdshLuc) or not transduced at all (untreated). RNA was harvested and reverse transcribed. Reduced expression of Pdx1 and established Pdx1 targets was confirmed. The RNA was then submitted for labeling and hybridization to the PancChip cDNA microarray.</p>
Platform types	Expression, Expression microarray
Platforms	Show platform Mouse PancChip
Study Design Type	<ul style="list-style-type: none"> • dye_swap_design • genetic_modification_design
Study Factors	Show study factors
Study Assays	Show study assays

Access to Study Data


This Study Data is publicly available to all users.

Gene List(s)


Use the following form(s) to refine the parameters and add the gene list to a strategy:

▼ shPdx1 versus shLuciferase MIN6 cells

Access Status

 This resource is publicly viewable.


Request this Resource


 Request from a repository

Primary contributor: [Stoffers Lab](#)

Resource Tags


Atf4, Bip, Dnajc10, Edem3, Ero1lb, Hspa5, Mouse PancChip 6.1 Ero11, Nnat, Pdia4, Pdia6, Pdx1, Wfs1

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Resource History & Actions

Approved on Jul 21, 2010
Last modified on Jan 17, 2012

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Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.

|Fold Change| Greater Than:

Confidence Level:

High Confidence All Results

For a microarray experiment a result with high confidence has a confidence level of at least 80%.

For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.

Reference (Denominator):

shLuciferase MIN6 Cells

[Find Genes](#)

shPdx1 versus WT MIN6 cells

Genome Browser


There are no genome browser tracks currently available for this study.

Lists of Locations

There are no genomic location datasets currently available for this study.

Repositories

Stoffers Lab


 [Request this resource](#)

Stock #: *Not provided*

Availability Notes: *Not provided*

Comments

There are no comments for this entry.

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