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Serum starvation effects on human Islet-derived Precursor Cells - Study GBCO1770

Genomics Study Specifications

Study Name	Serum starvation effects on human Islet-derived Precursor Cells
Contact Name	Marvin Gershengorn (NIDDK Intramural)
Publication	Not provided
My Strategies	Return to My Strategies page
Classification	Cell differentiation; Differentiation of insulin-producing cells
Links	Biomaterials Graph ArrayExpress
BCBC Release Date	July 05, 2005
Public Release Date	July 29, 2011
Citation	*unavailable*
Synopsis	Study Description | Goals | Approaches | Results | Conclusions | Related Studies This is an Affy experiment that was conducted on human derived pancreatic islet cells that were expanded in serum-containing medium to produce hIPC cells (human Islet-derived Precursor Cells). These cells, when subjected to 1 day of serum starvation, transition into hormone-expressing ICAs (Islet-like Cell Aggregates). In this experiment, proliferative hIPCs were trypsin-harvested and transferred in either serum-containing media ("C") or serum-free media ("F"). After 24 hours, cells from both conditions were harvested and RNA was extracted. This experiment was meant to identify gene expression changes between hIPC early differentiation (condition F) and hIPC proliferation (condition C) with cells being in culture for the same amount of time. There were 3 replicates each for each of the two conditions, of which the 3rd was a pool of the first 2 replicates.
Platform types	Expression microarray, Expression
Platforms	Show platform Affymetrix HG-U133_Plus_2
Study Design Type	• growth_condition_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:

hIPC cells cultured in serum-containing (C) vs serum-free (F) media

Access Status

This resource is publicly viewable.

Request this Resource

Request from a repository

Primary contributor: Stoeckert Lab

Resource Tags

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Resource History & Actions

Approved on Jul 05, 2005
Last modified on Aug 02, 2011

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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: 1.5

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): NA

Find Genes

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

Stoeckert Lab

Request this resource

Stock #: *Not provided*
Availability Notes: *Not provided*

Comments

There are no comments for this entry.

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