Identification of novel cytokine induced genes in rat pancreatic beta-cells - Study GBCO2021

Genomics Study Specifications

Study Name
Identification of novel cytokine induced genes in rat pancreatic beta-cells

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Publication

My Strategies
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Classification
Islet/beta-cell stimulation/injury; Cell stimulation/injury

Links
Biomaterials Graph
ArrayExpress

BCBC Release Date
October 19, 2005

Public Release Date
October 19, 2005

Citation

Synopsis
Type 1 diabetes is an autoimmune disease resulting from the selective destruction of insulin-producing beta-cells. Beta cell culture for 6-9 days in the presence of IL-1beta and interferon (INF)-gamma leads to apoptosis. Primary rat beta-cells were FACS purified and exposed for 6 or 24 h to control condition, IL-1beta + INF-gamma, or IL-1beta alone (24 h only). The gene expression profile was analyzed by hybridization in duplicate to the Affymetrix RG U34A microarray.

Platform types
Expression microarray, Expression

Platforms
Show platform Affymetrix RG-U34A

Study Design Type
- compound_treatment_design
- time_series_design

Study Factors

Study Assays

Access to Study Data
This Study Data is publicly available to all users.

Gene List(s)
There are no gene lists currently available for this study.

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

Stock #: Not provided
Availability Notes: Not provided

Comments

There are no comments for this entry.

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