Cytotoxicity Study of Rat INS1 cell lines - Study GBCO890

Genomics Study Specifications

Study Name: Cytotoxicity Study of Rat INS1 cell lines

Contact Name: Christopher Newgard (Duke University)

Publication: Not provided

My Strategies: Return to My Strategies page

Classification: Islet/beta-cell stimulation/injury; Cell stimulation/injury

Links: Biomatierals Graph, ArrayExpress

BCBC Release Date: February 04, 2004

Public Release Date: January 31, 2008

Citation: unavailable

Synopsis

Cytokines IL-1 and IFN-gamma have been shown to be the primary effectors of beta-cell destruction during the immune response. The aim of this study was to identify the gene expression changes that are associated with resistance of beta cells to cytokines. INS-1 rat insulinoma cells were grown in increasing doses of cytokines until a resistance phenotype had developed. RNA was prepared from these cytokine resistant sublines as well as the original, cytokine-sensitive parental INS-1 cells in Dr. Chris Newgard's lab, quantified and sent frozen in water. 3-7 biological replicates per condition were sent for the following three conditions: (i) 834/40, Cytokine-sensitive (CS), (ii) 833/15 and 833/117, Cytokine resistant grown in the absence of cytokines (CRu), (iii) 833/15C and 833/117C: Cytokine Resistant Grown in the Presence of Cytokines (CRt)

Platform types: Expression, Expression microarray

Platforms: Show platform Mouse PancChip

Study Design Type: cell_type_comparison_design, compound_treatment_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:

- Cytokine Resistant INS1 Cells (833/15) treated with cytokines versus untreated
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

Newgard Lab

Stock #: Not provided
Availability Notes: Not provided

Comments

There are no comments for this entry.