

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^{deltall} - Mouse Strain RES242**Mouse Information**

Common Name:	Pdx1 ^{deltall}
MGI Official Name:	Pdx1 ^{tm6Cvw}
Description:	This is a targeted deletion of Area II 5' cis-regulatory region of Pdx1.
Categories:	None specified.

Genetic Alterations**1) RMCE Targeted Mutagenesis**

Type of Allele	Cassette Acceptor
Targeted Gene	pancreatic and duodenal homeobox 1 (Pdx1 - NCBI GeneID:18609)
Targeted Allele	targeted mutation 1 (Pdx1 ^{tm1(LCA)} - MGI:102851)
Description of Targeting Vector	An 8.62 kb region of this gene has been replaced by tandemly oriented Lox66 and Lox2272 sites flanking positive (puromycin) and negative (HSV-TK) selectable markers.

Targeting Vector Genbank File [pidx1tv.gb](#)

Recombinase-Mediated Cassette Exchange Stage

Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Pdx1 ^{Allid}
Description of Exchange Vector	The pdx1 Area II enhancer region was deleted from the pPdx1.Ex1 basal exchange vector (255 bp from -2168/-1913 relative to the primary transcription start site reported by Gerrish, K.et.al., JBC 2000). This will replace endogenous pdx1 sequences, and allow for assessment of the role of this enhancer region in pdx1 expression in vivo. Sequences flanking Area II deletion: ctcatcctgt/gaaggaaggt

Exchange Vector Genbank File: [pdx1Allid.gb](#)

Citations Not Available

Strain Information


Strain Type:	Mixed
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	Not provided (date recorded: Not provided)
Strain Description:	Not provided

Associated Images


Image 1

Description:
The *pdx1* Area II enhancer region was deleted from the *pPdx1.Ex1* basal exchange vector (255 bp from -2168/-1913 relative to the primary transcription start site reported

Access Status

 This resource is publicly viewable.

Request this Resource

 Request from a repository

Primary contributor: [Wright Lab](#)

Co-contributed by:

- [BCBC Mouse / ES Cell Core](#)

Resource Tags

mESC Core, mouse, mouse strain, Pdx1, Pdx1^{deltall}, RMCE

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Resource History & Actions

Approved on Aug 14, 2008

Last modified on May 26, 2009

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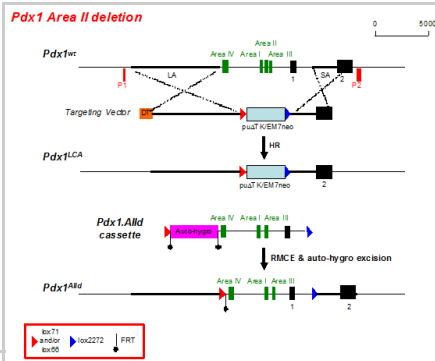
Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

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

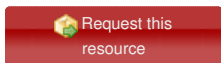


by Gerrish, K.et.al., JBC 2000). This will replace endogenous *pdx1* sequences, and allow for assessment of the role of this enhancer region in *pdx1* expression *in vivo*. Sequences flanking Area II deletion: ctcatcctgt/gaaggaaggt

Reference:
Not provided

Repositories

Wright Lab



Stock #: Not provided
Availability Notes: Not provided

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

