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Pdx1^{FloxE2} - Mouse Strain RES243**Mouse Information**

Common Name:	Pdx1 ^{FloxE2}
MGI Official Name:	Pdx1 ^{tm4Cvw}
Description:	This is a conditional null allele of Pdx1. LoxP sites for Cre recombinase were inserted to flank exon 2 of the gene.
Categories:	Cre-lox floxed alleles

Genetic Alterations

1) Targeted Mutagenesis					
Type of Allele	Conditional Null				
Targeted Gene	Pancreatic and Duodenal homeobox 1 (Pdx1 - NCBI GeneID:18609)				
Targeted Allele	targeted mutation 4 (Pdx1 ^{tm4(E2)} - MGI:3702084)				
Description of Targeting Vector	LoxP sites for Cre recombinase were inserted to flank exon 2 of Pdx1.				
Targeting Vector Genbank File	<i>Not provided</i>				
Citations	<table border="1"> <thead> <tr> <th>PubMedID</th> <th>Citation</th> </tr> </thead> <tbody> <tr> <td>18155690</td> <td>pdx-1 function is specifically required in embryonic beta cells to generate appropriate numbers of endocrine cell types and maintain glucose homeostasis. (2008) <i>Dev Bio</i>/314: 406-17 (Added 2008-03-29 16:56:13)</td> </tr> </tbody> </table>	PubMedID	Citation	18155690	pdx-1 function is specifically required in embryonic beta cells to generate appropriate numbers of endocrine cell types and maintain glucose homeostasis. (2008) <i>Dev Bio</i> /314: 406-17 (Added 2008-03-29 16:56:13)
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Strain Information

Strain Type:	Mixed
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	129BL6/DAB2 Mix (date recorded: 10/17/2014)
Strain Description:	Not provided

Associated Images

No associated images have been supplied

Repositories

MMRRC	<p>Request via www.mmrrc.org website</p> <p>Stock #: 000440-UNC Availability Notes: <i>Not provided</i></p>
Wright Lab	<p>Request this resource</p> <p>Stock #: <i>Not provided</i> Availability Notes: <i>Not provided</i></p>

Contact Information

Preferred Contact	
Name	Chris Wright

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

mouse, mouse strain, Pdx1, Pdx1^{FloxE2}, Pdx1^{tm4Cvw}

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Resource History & Actions

Approved on Aug 27, 2008
Last modified on Oct 21, 2014

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Related resources

BCBC
No matching resources

Other Consortia
No matching resources

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

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

