

**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-Ngn3-ER - Mouse Strain RES199****Mouse Information**

<b>Common Name:</b>	Pdx1-Ngn3-ER
<b>MGI Official Name:</b>	Tg(Pdx1-Neurog3-ER)1Agb
<b>Description:</b>	The transgene is driven by the Pdx1 promoter which targets it in pancreas progenitor during development. These mice express a fusion protein between the pro-endocrine transcription factor Ngn3 and the tamoxifen responsive estrogen receptor. An IRES site allows GFP to be co-expressed with Ngn3-ER. The protein is active only upon tamoxifen injection.
<b>Categories:</b>	Fluorescent Probes

**Genetic Alterations**

<b>1) BAC or Transgene Insertion</b>					
<b>Type of Vector</b>	Plasmid				
<b>Promoter</b>	Pancreatic and duodenal homeobox 1 (Pdx1 - <a href="#">MGI:18609</a> )				
<b>Expressed Gene</b>	Neurogenin3-Tamoxifen responsive estrogen receptor fusion (Neurog3-ER - <a href="#">MGI:11925</a> )				
<b>Description of Transgene</b>	The tamoxifen-inducible Ngn3 was placed under control of the Ipf1 promoter.				
<b>Vector Genbank File</b>	<i>Not provided</i>				
<b>Citations</b>	<table border="1"> <thead> <tr> <th>PubMedID</th> <th>Citation</th> </tr> </thead> <tbody> <tr> <td><a href="#">17336910</a></td> <td><a href="#">Temporal control of neurogenin3 activity in pancreas progenitors reveals competence windows for the generation of different endocrine cell types.</a> (2007) <i>Dev Cell</i> 12: 457-65 (Added 2007-03-27 01:47:29)</td> </tr> </tbody> </table>	PubMedID	Citation	<a href="#">17336910</a>	<a href="#">Temporal control of neurogenin3 activity in pancreas progenitors reveals competence windows for the generation of different endocrine cell types.</a> (2007) <i>Dev Cell</i> 12: 457-65 (Added 2007-03-27 01:47:29)
PubMedID	Citation				
<a href="#">17336910</a>	<a href="#">Temporal control of neurogenin3 activity in pancreas progenitors reveals competence windows for the generation of different endocrine cell types.</a> (2007) <i>Dev Cell</i> 12: 457-65 (Added 2007-03-27 01:47:29)				

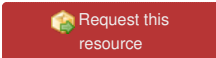
**Strain Information**

<b>Strain Type:</b>	Mixed
<b>Chimera/Founder Genetic Background:</b>	B6D2F1
<b>Current Genetic Background:</b>	CD-1 (date recorded: 03/27/2015)
<b>Strain Description:</b>	Transgenic line was made by pronuclear injection into B6/D2 F1 hybrid fertilized oocytes and has since been bred to CD1 outbred mice.

**Associated Images**

*No associated images have been supplied*

**Repositories**

<b>Grapin-Botton Lab</b>	<p> <b>Request this resource</b></p> <p><b>Stock #:</b> <i>Not provided</i> <b>Availability Notes:</b> <i>Not provided</i></p>
--------------------------	---


**Contact Information**

<b>Preferred Contact</b>	
<b>Name</b>	Anne Grapin-Botton

**Access Status**

 This resource is publicly viewable.

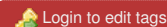
**Request this Resource**


 **Request from a repository**

Primary contributor: [Grapin-Botton Lab](#)

**Resource Tags**

ER, mouse, mouse strain, Ngn3, Pdx1, Pdx1-Ngn3-ER

 **Login to edit tags**

 **Read more about tags**

**Resource History & Actions**

Approved on Apr 30, 2007  
Last modified on May 02, 2007

 **Login to edit or request an edit**

**Related resources****BCBC**

*No matching resources*

**Other Consortia**

*No matching resources*

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


<b>Institution</b>	DanStem, University of Copenhagen
<b>Phone</b>	+45 29 63 43 98
<b>Email</b>	<a href="mailto:anne.grapin-botton@sund.ku.dk">anne.grapin-botton@sund.ku.dk</a>

### Associated Publications

*No publications associated*

### Comments

*There are no comments for this entry.*

 [Login to add comments](#)

[Home](#) · [Your Account](#) · [News & Events](#) · [Resources](#) · [Policies & Guidelines](#) · [About Us](#) · [FAQ](#) · [Site Map](#)

© 2002-2015 Beta Cell Biology Consortium - All Rights Reserved. [Terms of usage and disclaimer.](#)

