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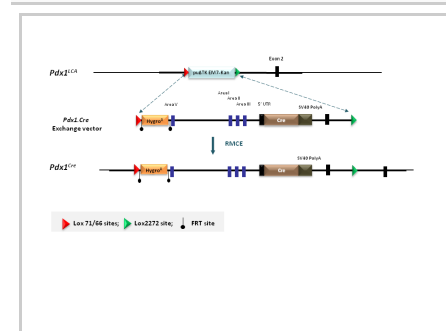
**Pdx1<sup>Cre</sup> - ES Cell Line RES4158****ESC Line Information**

Cell Line Name:	Pdx1 <sup>Cre</sup>
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	<a href="#">Std_mESC_Culture.doc</a>
Description:	In this cell line, the first exon of Pdx1 was replaced with the coding sequence for Cre-recombinase using RMCE in the Pdx1 <sup>LCA</sup> allele. Generation of Pdx1-promoter driven Cre-expressing cells will enable Cre-LoxP manipulation of pancreatic lineage cells.

**Genetic Alterations****1) RMCE Targeted Mutagenesis**

Type of Allele	Cassette Acceptor
Targeted Gene	pancreatic and duodenal homeobox 1 (Pdx1 - <a href="#">NCBI GeneID:18609</a> )
Targeted Allele	targeted mutation 1 (Pdx1 <sup>tm1(LCA)</sup> - <a href="#">MGI:102851</a> )
Description of Targeting Vector	An 8.62 kb region of this gene has been replaced by tandemly oriented Lox66 and Lox2272 sites flanking positive (puromycin) and negative (HSV-TK) selectable markers.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	<a href="#">ppdx1tv.gb</a>
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Pdx1/cre
Description of Exchange Vector	The Pdx1.Cre vector was made on a backbone of a basal exchange vector which contains a 8.610 kb sequence from the Pdx1 locus, Lox66/Lox2272 sites, and a flrtd (flanked by FRT) Pgk-Hygro cassette that is used for positive selection of ES cells after RMCE. The Cre sequence was cloned into the first exon of Pdx1, next to the ATG site.
Exchange Vector Genbank File:	<a href="#">Pdx1.Cre.gb</a>
Citations	Not Available

**Associated Images****Image 1**


**Description:**  
Not provided

**Reference:**  
Not provided

**Access Status**

 This resource is publicly viewable.


**Request this Resource**


 Request from a repository

Primary contributor: [Hebrok Lab](#)  
Co-contributed by:  
• [BCBC Mouse / ES Cell Core](#)

**Resource Tags**


embryonic, es, esc, Pdx1<sup>Cre</sup>, stem, TL-1

 Login to edit tags

 Read more about tags

**Resource History & Actions**

Approved on Dec 22, 2011  
Last modified on Dec 19, 2011

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**Related resources****BCBC**

No matching resources

**Other Consortia**

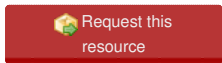
No matching resources

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

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## Repositories

Magnuson Lab



**Stock #:** *Not provided*  
**Availability Notes:** *Not provided*

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## Contact Information

Preferred Contact

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## Associated Publications

*No publications associated*

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## Comments

*There are no comments for this entry.*

