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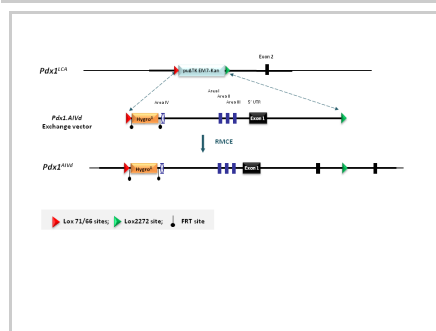
Pdx1^{AIvd} - ES Cell Line RES4076**ESC Line Information**

Cell Line Name:	Pdx1 ^{AIvd}
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	<i>Not provided.</i>
Description:	In this ES cell line, Area IV of the Pdx1 enhancer (-2168/-1913 relative to the primary transcription start site) was deleted using RMCE in the Pdx1 ^{LCA} allele. This cell line allows for assessment of the role of these DNA sequences in the regulation and function of Pdx1.

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Description of Targeting Vector	An 8.62 kb region of this gene has been replaced by tandemly oriented Lox66 and Lox2272 sites flanking positive (puromycin) and negative (HSV-TK) selectable markers.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	ppdx1tv.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Pdx1 ^{AIvd}
Description of Exchange Vector	The pPdx1.AIvd vector was made on a backbone of a basal Pdx1 exchange vector which contains a 8.610 kb sequence from the Pdx1 locus, Lox66/Lox2272 sites, and a flrtd (flanked by FRT) Pkg-Hygro cassette that is used for positive selection of ES cells after RMCE. The Pdx1 area IV sequence (473 bp) was removed from this construct.
Exchange Vector Genbank File:	pPdx1.AIvd.gb
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: [Stein Lab](#)
Co-contributed by:

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

Resource Tags


embryonic, es, esc, Pdx1^{AIvd}, stem, TL-1

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 Read more about tags

Resource History & Actions

Approved on Dec 21, 2011
Last modified on Apr 22, 2015

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Related resources**BCBC**

No matching resources

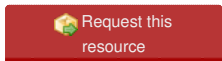
Other Consortia

No matching resources

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

Repositories

Magnuson Lab



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

Contact Information

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

