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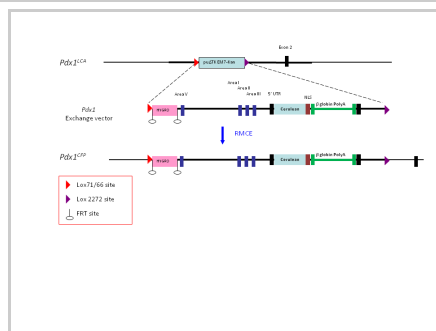
Pdx1^{CFP} - ES Cell Line RES1181**ESC Line Information**

Cell Line Name:	Pdx1 ^{CFP}
Parental Cell Line:	TL-1 / Pdx1{LCA} clone 2F11
Background Strain:	129
Culturing Protocol:	Std_mESC_Culture.doc
Description:	This ES cell line contains cyan fluorescent protein (CFP, Cerulean variant) inserted into a Pdx1 ^{LCA} allele by recombinase mediated cassette exchange. These cells may be useful for identifying pancreatic progenitor cells in cultures that have been stimulated to differentiate towards endodermal and pancreatic fates.

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Description of Targeting Vector	An 8.62 kb region of this gene has been replaced by tandemly oriented Lox66 and Lox2272 sites flanking positive (puromycin) and negative (HSV-TK) selectable markers.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	pdx1tv.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	CFP (CFP)
Exchanged Cassette Allele Name	Pdx1 ^{CFP}
Description of Exchange Vector	not available
Exchange Vector Genbank File:	Pdx1.CFP.BpA .gb
Citations	Not Available


Associated Images**Image 1****Description:**

A cyan fluorescent protein (CFP, Cerulean) reporter gene, 3 copies of an SV40 nuclear localization sequence (NLS) and a rabbit beta globin splice and polyadenylation sequence was introduced downstream of the endogenous Pdx1 start codon.


Reference:

Not provided

Repositories**Access Status**

 This resource is publicly viewable.

Request this Resource

 Request from a repository


Primary contributor: [Magnuson Lab](#)

Co-contributed by:

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

Resource Tags

cerulean, CFP, embryonic, endoderm, es, esc, LCA, pancreatic, Pdx1^{CFP}, stem, TL1 - Pdx1^{LCA} clone 2F11

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Resource History & Actions

Approved on Mar 20, 2009

Last modified on May 13, 2014

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Other Consortia

No matching resources

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

Magnuson Lab

Out of stock

Stock #: VUMC

Availability Notes: *Not provided*

Contact Information

Preferred Contact


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Associated Publications

No publications associated

Comments

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