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Ptf1a^{tdTOM} - ES Cell Line RES4032

ESC Line Information

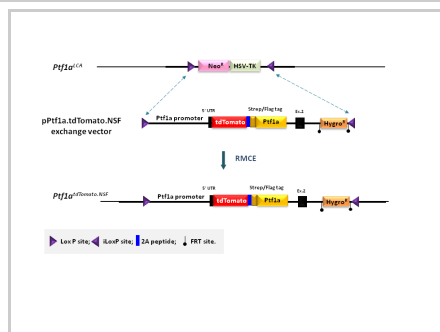
Cell Line Name:	Ptf1a ^{tdTOM}
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	<i>Not provided.</i>
Description:	Recombinase mediated cassette exchange was performed using the Ptf1aLCA. This cell line expresses both tdTOM (a red fluorescent protein) and an N-terminal epitope tagged Strep/Flag (NSF) fusion of ptf1a in the adult pancreas. These cells will be useful in a variety of applications such as FACS sorting of ptf1a expressing cells, chromatin immunoprecipitation and proteomic analyses.

Genetic Alterations

1) RMCE Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	pancreas specific transcription factor, 1a (Ptf1a - NCBI GeneID:19213)
Targeted Allele	targeted mutation 1 (Ptf1a ^{tm1(LCA)} - MGI:1328312)
Description of Targeting Vector	<i>Not provided</i>
Targeting Vector Genbank File	Ptf1a.LCA.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Ptf1a ^{td.TOM}
Description of Exchange Vector	Create a cell line expressing a tdTOM-2A-NSF:ptf1a cassette under the control of endogenous ptf1a regulatory elements. This will allow both tdTOM and an N-terminal epitope tagged Strep/Flag (NSF) version of ptf1a to be expressed in adult and embryonic pancreas, facilitating a variety of applications including FACS sorting of ptf1a expressing cells, chromatin immunoprecipitation and proteomic analyses.
Exchange Vector Genbank File:	p48.tdtomatonsfp48.ko.hygro.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: [Steven Leach](#)
Co-contributed by:

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

Resource Tags

embryonic, es, esc, Ptf1a^{tdTOM}, stem, TL-1

Login to edit tags

Read more about tags

Resource History & Actions

Approved on Apr 19, 2011
Last modified on Dec 21, 2011

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.

Repositories

Leach Lab

No URL supplied for repository

Stock #: *Not provided*

Availability Notes: *Not provided*

Contact Information

Preferred Contact

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

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