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Ptf1a^{tdTomato} - Mouse Strain RES4149**Mouse Information**

Common Name:	Ptf1a ^{tdTomato}
MGI Official Name:	Ptf1a ^(tdTomato)
Description:	This mouse cell line was generated by RMCE in the Ptf1a[LCA] allele. Pancreata of this mouse line express both td.Tomato (a red fluorescent protein) and an N-terminal epitope tagged Strep/Flag (NSF) fusion of the transcription factor Ptf1a. This line may be used in a variety of applications such as FACS sorting of Ptf1a expressing cells, chromatin immunoprecipitation, and proteomic analyses.
Categories:	Fluorescent Probes

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	The Ptf1a.tdTomato-NSF-p48.KO.hygro vector was made on a backbone of a basal exchange vector which contains a 4.105 kb sequence from the Ptf1a locus, inverted loxP sites, and a flrtd (flanked by FRT) Pgk-Hygro cassette that is used for positive selection of ES cells after RMCE. Sequences for td.Tomato (a red fluorescent protein) and an N-terminal epitope tagged Strep/Flag (NSF) fusion of the transcription factor Ptf1a were cloned downstream of the Ptf1a ATG site.
Exchange Vector Genbank File:	p48.tdTomatoNSFP48.ko.hygro.gb
Citations	Not Available


Strain Information

Strain Type:	Mixed
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	C57BL/6 (date recorded: 11/23/2011)
Strain Description:	Not provided


Associated Images

Image 1	Description: <i>Not provided</i>
	Reference:

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


mouse, mouse strain, Ptf1a^{tdTomato}

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Resource History & Actions

Approved on Dec 22, 2011
Last modified on Jan 10, 2012

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Related resources**BCBC**

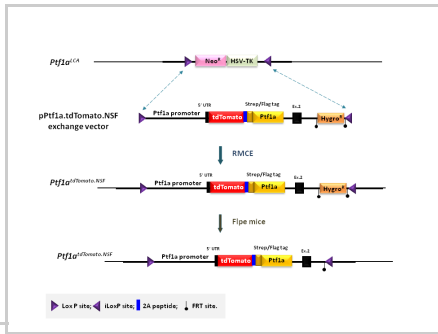
No matching resources

Other Consortia

No matching resources

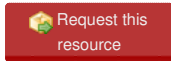
Data courtesy of [dkCOIN](#). Only public resources are displayed.

Not provided



Repositories

Magnuson Lab



Stock #: MB BSID 0080

Availability Notes: Sperm cryo vial MB, Straw MB, BSID 0080, 49 straws, frozen 5/3/11

Contact Information

Preferred Contact

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

