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Ngn3^{EYFP/+} - Mouse Strain RES215**Mouse Information**

Common Name:	Ngn3 ^{EYFP/+}
MGI Official Name:	Neurog3 ^{tm1Ggr}
Description:	A targeting construct was designed to insert an IRES-EYFP and a floxed puro downstream of the coding sequence. Crossing with mice expressing Cre in the germ line excised the puromycin resistance gene. Coding region for Ngn3 is kept intact consequently homozygous mice express Ngn3 protein, do not develop diabetes and behave like wild-types. In these mice, Ngn3-positive progenitors express EYFP and can be purified by FACS.
Categories:	Fluorescent Probes

Genetic Alterations

1) Targeted Mutagenesis					
Type of Allele	Other				
Targeted Gene	Neurogenin 3 (Neurog3 - NCBI GeneID:11925)				
Targeted Allele	targeted mutation 1 (Ngn3 ^{EYFP/+} - MGI:3505733)				
Description of Targeting Vector	An Ascl and a PmeI recognition site was introduced into the 3'UTR of a 7.8-kb SpeI-SpeI genomic fragment from the Ngn3 locus. IRES-EYFP-PGKpA-loxP-SV40-early-promoter-pac-HSVtkpA-LoxP cassette was subcloned into the Ascl and PmeI site.				
Targeting Vector Genbank File	Not provided				
Citations	<table border="1"> <thead> <tr> <th>PubMedID</th> <th>Citation</th> </tr> </thead> <tbody> <tr> <td>15297605</td> <td>Pancreatic islet progenitor cells in neurogenin 3-yellow fluorescent protein knock-add-on mice. (2004) <i>Mol Endocrinol</i> 18: 2765-76 (Added 2005-09-07 11:46:07)</td> </tr> </tbody> </table>	PubMedID	Citation	15297605	Pancreatic islet progenitor cells in neurogenin 3-yellow fluorescent protein knock-add-on mice. (2004) <i>Mol Endocrinol</i> 18 : 2765-76 (Added 2005-09-07 11:46:07)
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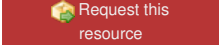
Strain Information

Strain Type:	Mixed
Chimera/Founder Genetic Background:	129X1/SvJx129S1/Sv
Current Genetic Background:	C57BL/6/CD1 (date recorded: Not provided)
Strain Description:	Not provided

Associated Images

No associated images have been supplied


Repositories

Gradwohl Lab	Stock #: Not provided Availability Notes: Not provided
	

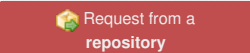
Contact Information

Preferred Contact

Access Status

 This resource is publicly viewable.


Request this Resource




Primary contributor: [Gradwohl Lab](#)

Resource Tags

EYFP, mouse, mouse strain, Ngn3, Ngn3^{EYFP/+}





Resource History & Actions

Approved on Dec 28, 2007
Last modified on Apr 30, 2008



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Other Consortia

No matching resources

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


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Email	<i>Not provided</i>

Associated Publications

No publications associated

Comments

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