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Ngn3^(HA.LCA) - Mouse Strain RES4145**Mouse Information**

Common Name:	Ngn3 ^(HA.LCA)
MGI Official Name:	Ngn3 ^(HA.LCA)
Description:	This mouse line was made by gene targeting and designed to express an HA-tagged version of the transcription factor Ngn3. The Lox71 and Lox2272 sites were inserted flanking the Ngn3 coding sequence. Within the flanked region an HA-tag was placed at the N-terminus of the Ngn3 protein. This allele can be used to study chromatin and protein-protein interactions of Ngn3. Additionally, the Lox71 and Lox2272 sites allow for manipulations of the flanked region by RMCE.
Categories:	Cre-lox floxed alleles

Genetic Alterations

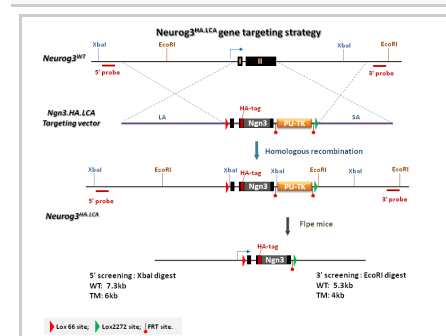
1) Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	Neurogenin 3 (Neurog3 - NCBI GeneID:11925)
Targeted Allele	<i>Not provided</i>
Description of Targeting Vector	The targeting vector contains a 5.5 kb 5' arm and a 3.5 kb 3' arm. Lox71 and Lox2272 sites were inserted flanking the Ngn3 gene, where Ngn3 cDNA was replaced with that encoding for an HA-tagged Ngn3 protein. The vector also contains a FRT-flanked Pgk-Puro-deltaTK cassette for positive selection by puromycin (targeting events) and negative selection by ganciclovir (RMCE events).
Targeting Vector Genbank File	Ngn3HALCA.gb
Citations	Not Available

Strain Information

Strain Type:	Mixed
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	C57BL/6 (date recorded: 11/21/2011)
Strain Description:	Not provided

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: [Gu Lab](#)
Co-contributed by:
• [BCBC Mouse / ES Cell Core](#)

Resource Tags


mouse, mouse strain, Ngn3^(HA.LCA)

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 Read more about tags

Resource History & Actions

Approved on Dec 22, 2011
Last modified on Apr 13, 2015

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Related resources**BCBC**

No matching resources

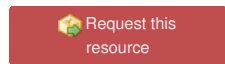
Other Consortia

No matching resources

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

Repositories

Gu Lab



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

Contact Information

Preferred Contact

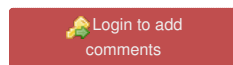
Name	Guoqiang Gu
Institution	Vanderbilt University
Phone	615-936-3634
Email	guoqiang.gu@vanderbilt.edu

Associated Publications

No publications associated

Comments

There are no comments for this entry.



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