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**NeuroD/lacZ Knock-In - Mouse Strain RES181****Mouse Information**

<b>Common Name:</b>	NeuroD/lacZ Knock-In
<b>MGI Official Name:</b>	BX129-Neurod1 <sup>tmAK71(lacZ)Jle/Mmcd</sup>
<b>Description:</b>	Homozygous phenotype: Postnatal lethal due to neonatal diabetes Pancreas--5% insulin production, no islet formation Gut--no CCK or secretin production Inner ear defects resulting in deafness--no cochlear ganglia and poor vestibular ganglia formation Cerebellar defect resulting in ataxia-->90% depletion of cerebellar granule cells Hippocampal defects--no dentate gyrus.
<b>Categories:</b>	None specified.

**Genetic Alterations**

<b>1) BAC or Transgene Insertion</b>					
<b>Type of Vector</b>	Plasmid				
<b>Promoter</b>	neurogenic differentiation 1 (Neurod1 - <a href="#">MGI:18012</a> )				
<b>Expressed Gene</b>	LacZ-Neo (LacZ-Neo)				
<b>Description of Transgene</b>	<i>Not provided</i>				
<b>Vector Genbank File</b>	<i>Not provided</i>				
<b>Citations</b>	<table border="1"> <thead> <tr> <th>PubMedID</th> <th>Citation</th> </tr> </thead> <tbody> <tr> <td><a href="#">10398678</a></td> <td><a href="#">NeuroD is required for differentiation of the granule cells in the cerebellum and hippocampus.</a> (1999) <i>Genes Dev</i> 13: 1647-52 (Added 2006-11-13 07:21:38)</td> </tr> </tbody> </table>	PubMedID	Citation	<a href="#">10398678</a>	<a href="#">NeuroD is required for differentiation of the granule cells in the cerebellum and hippocampus.</a> (1999) <i>Genes Dev</i> 13: 1647-52 (Added 2006-11-13 07:21:38)
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**Strain Information**

<b>Strain Type:</b>	Recombinant Inbred
<b>Chimera/Founder Genetic Background:</b>	129/SvJ
<b>Current Genetic Background:</b>	C57BL/6J (date recorded: Not provided)
<b>Strain Description:</b>	Not provided

**Associated Images**

*No associated images have been supplied*


**Repositories**

<b>MMRRC</b>	<p> Request via <a href="http://www.mmrc.org">www.mmrc.org</a> website</p> <p><b>Stock #:</b> 000367-UCD <b>Availability Notes:</b> <i>Not provided</i></p>
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**Contact Information**

<b>Preferred Contact</b>	
<b>Name</b>	Jackie Lee
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<b>Primary Lab Contact</b>	

**Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository

Primary contributor: [Jackie Lee](#)  
Co-contributed by:  
• [BCBC Mouse / ES Cell Core](#)

**Resource Tags**

LacZ, mouse, mouse strain, NeuroD, NeuroD/lacZ Knock-In

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**Resource History & Actions**

Approved on Mar 07, 2006  
Last modified on Feb 11, 2011

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*No matching resources*

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### Associated Publications

*No publications associated*

### Comments

*There are no comments for this entry.*

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