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**Nkx2.2:rtTA - Mouse Strain RES232****Mouse Information**

<b>Common Name:</b>	Nkx2.2:rtTA
<b>MGI Official Name:</b>	Nkx2-2 <sup>tm2Suss</sup>
<b>Description:</b>	The reverse tetracycline transactivator (rtTA) is knocked into the Nkx2.2 coding region, effectively knocking out one Nkx2.2 allele.
<b>Categories:</b>	Tet

**Genetic Alterations**

<b>1) RMCE Targeted Mutagenesis</b>	
<b>Type of Allele</b>	Cassette Acceptor
<b>Targeted Gene</b>	NK2 transcription factor related, locus 2 (Nkx2-2 - <a href="#">NCBI GeneID:18088</a> )
<b>Targeted Allele</b>	targeted mutation 1 (Nkx2.2 <sup>tm1(LCA)</sup> )
<b>Description of Targeting Vector</b>	Through homologous recombination in ES cells, a 5.115 kb region of the Nkx2.2 gene is replaced by a floxed tk-neo cassette, a puromycin-thymidine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pUTK) and a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo) flanked by minimal (34 bp) tandemly oriented lox71 and lox2272 sites (Cre-recombinase recognition sequences).

<b>Targeting Vector Genbank File</b>	<a href="#">pNkx2.2.TV.gb</a>
<b>Recombinase-Mediated Cassette Exchange Stage</b>	
<b>Type of Allele:</b>	Not available
<b>Exchanged Cassette Gene</b>	Not provided. ( <a href="#">MGI:18088</a> )
<b>Exchanged Cassette Allele Name</b>	Nkx2.2:rtTA
<b>Description of Exchange Vector</b>	Nkx2.2:rtTA
<b>Exchange Vector Genbank File:</b>	<a href="#">pNkx2.2.rtTA.gb</a>
<b>Citations</b>	Not Available

**Strain Information**

<b>Strain Type:</b>	Mixed
<b>Chimera/Founder Genetic Background:</b>	129S6/SvEvTac
<b>Current Genetic Background:</b>	129/C57BL (date recorded: 03/27/2015)
<b>Strain Description:</b>	Not provided

**Associated Images**

No associated images have been supplied

**Repositories**


Sussel Lab

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

**Access Status**

 This resource is publicly viewable.

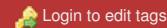
**Request this Resource**


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Primary contributor: [Sussel Lab](#)

**Resource Tags**

mESC Core, mouse, mouse strain, Nkx2.2:rtTA, Nkx2-2<sup>tm2Suss</sup>, RMCE

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**Resource History & Actions**

Approved on May 05, 2008  
Last modified on Mar 24, 2015

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No matching resources

**Other Consortia**

No matching resources

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

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## Contact Information

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### Primary Lab Contact


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Institution	<i>Not provided</i>
Phone	<i>Not provided</i>
Email	<i>Not provided</i>

## Associated Publications

*No publications associated*

## Comments

*There are no comments for this entry.*

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