**Mouse Information**

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

**Genetic Alterations**

1) **RMCE Targeted Mutagenesis**

- **Type of Allele:** Cassette Acceptor
- **Targeted Gene:** NK2 transcription factor related, locus 2 (Nkx2-2 - NCBI GeneID:18088)
- **Targeted Allele:** targeted mutation 1 (Nkx2.2 tm1(LCA))
- **Description of Targeting Vector:** 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-thymididine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pU'TK) 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).

**Targeting Vector Genbank File**

- pNkx2.2.TV.gb

**Recombinase-Mediated Cassette Exchange Stage**

- **Type of Allele:** Not available
- **Exchanged Cassette Gene:** Not provided. (MGI:18088)
- **Exchanged Cassette Allele Name:** Nkx2.2:rtTA
- **Description of Exchange Vector:** Nkx2.2:rtTA
- **Exchange Vector Genbank File:** pNkx2.2.rtTA.gb
- **Citations:** Not Available

**Strain Information**

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

**Associated Images**

- **No associated images have been supplied**

**Repositories**

- **Sussel Lab**
Contact Information

Preferred Contact

Name: Lori Sussel  
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Primary Lab Contact

Name: Not provided  
Institution: Not provided  
Phone: Not provided  
Email: Not provided

Associated Publications

No publications associated

Comments

There are no comments for this entry.