

My Account

Login
Create Account

Resources

View All (813)
Adenoviruses (137)
Antibodies (175)
Bioimages (67)
Genomics Studies (145)
mESC Lines (68)
Mouse Strains (120)
Miscellaneous (46)
Protocols (55)
Research Data (4)
Resource Tags (389)
Visualization (9)

Research & Cores

Core Facilities (5)
Research Highlights (5)
Research Networks
Research Objectives

Information

About the BCBC
BCBC Events
Branding & Logos
Career Opportunities
Health
NIH hESC Registry
Policies & Guidelines
Member Publications
Research Programs
Research Investigators
Member Directory
Tutorials

Nkx6.1^{DsRed2/+} - Mouse Strain RES205**Mouse Information**

Common Name:	Nkx6.1 ^{DsRed2/+}
MGI Official Name:	B6-Nkx6-1 ^{tm1Msan}
Description:	An IRES-DsRed2 cassette was introduced into exon 1 of the Nkx6.1 genomic sequence. The insertion generates a null allele. DsRed2 expression is not detected in these mice.
Categories:	None specified.

Genetic Alterations

1) Targeted Mutagenesis	
Type of Allele	Global Null
Targeted Gene	Nkx6.1 (Nkx6-1 - NCBI GeneID:18096)
Targeted Allele	targeted mutation (Nkx6.1 ^{tm1(DsRed2)})
Description of Targeting Vector	Through homologous recombination in ES cells an IRES-DsRed2-pA-loxP-pA-puro-SV40prom-loxP cassette was inserted via Pmel and ClaI into a modified KpnI site within exon 1. The KpnI site is located 3' of the translation start site of Nkx6.1.
Targeting Vector Genbank File	Nkx6.1_DsRed2sequence.doc
Citations	Not Available

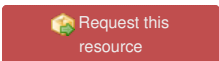
Strain Information

Strain Type:	Congenic Strain
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	C57BL/6J (date recorded: 03/27/2015)
Strain Description:	Not provided

Associated Images

No associated images have been supplied


Repositories

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


Contact Information

Preferred Contact	
Name	Maike Sander
Institution	University of California, San Diego
Phone	858-246-0843
Email	masander@ucsd.edu
Primary Lab Contact	
Name	Not provided
Institution	Not provided

Access Status

 This resource is publicly viewable.

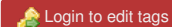
Request this Resource

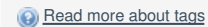


Primary contributor: [Sander Lab](#)
Co-contributed by:
• [BCBC Mouse / ES Cell Core](#)

Resource Tags


mouse, mouse strain, Nkx6.1, Nkx6.1^{DsRed2/+}





Resource History & Actions

Approved on Oct 15, 2007
Last modified on May 07, 2008



Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

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


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

Associated Publications

No publications associated

Comments

There are no comments for this entry.

 [Login to add comments](#)

[Home](#) · [Your Account](#) · [News & Events](#) · [Resources](#) · [Policies & Guidelines](#) · [About Us](#) · [FAQ](#) · [Site Map](#)

© 2002-2015 Beta Cell Biology Consortium - All Rights Reserved. [Terms of usage and disclaimer.](#)

