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**Foxo1.DBD - Mouse Strain RES1701****Mouse Information**

<b>Common Name:</b>	Foxo1.DBD
<b>MGI Official Name:</b>	Foxo1 <sup>tm1(DBD)Dac</sup>
<b>Description:</b>	This line contains a DNA binding-deficient mutant of Foxo1. The mutation may be useful for assessing the contribution of DNA co-activation in the function of Foxo1.
<b>Categories:</b>	None specified.

**Genetic Alterations**

1) RMCE Targeted Mutagenesis	
<b>Type of Allele</b>	Cassette Acceptor
<b>Targeted Gene</b>	forkhead box O1 (Foxo1 - <a href="#">NCBI GeneID:56458</a> )
<b>Targeted Allele</b>	targeted mutation 1 (Foxo1 <sup>tm1(LCA)</sup> - <a href="#">MGI:1890077</a> )
<b>Description of Targeting Vector</b>	<i>Not provided</i>
<b>Targeting Vector Genbank File</b>	<a href="#">pFoxo1.LCA.gb</a>
Recombinase-Mediated Cassette Exchange Stage	
<b>Type of Allele:</b>	Gene Replacement
<b>Exchanged Cassette Gene</b>	Not provided.
<b>Exchanged Cassette Allele Name</b>	Foxo1 <sup>DBD</sup>
<b>Description of Exchange Vector</b>	A loxed cassette acceptor allele for Foxo1 was generated using a targeting vector that contains a lox71 site, a puromycin (delta)thymidine kinase fusion gene driven by a mouse phosphoglycerol kinase (PGK) promoter, a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo), and a lox2272 site. A 4.999 kb region of the Foxo1 gene containing exon 1 was removed in the process of gene targeting.
<b>Exchange Vector Genbank File:</b>	<a href="#">pFoxo1.DBD.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>	93.75% C57BL6/J (date recorded: 04/23/2015)
<b>Strain Description:</b>	129S6-derived chimeric males were bred to C57BL6/J females to achieve germline transmission. All subsequent matings were to C57BL6/J for a total of 4 backcrosses.


**Associated Images**

<b>Image 1</b>	<b>Description:</b> <i>Not provided</i>
	<b>Reference:</b> <i>Not provided</i>

**Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository

Primary contributor: [Domenico Accili](#)

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

**Resource Tags**

DNA binding-deficient, Foxo1.DBD, Foxo1<sup>tm1(DBD)Dac</sup>, mESC Core, mouse, mouse strain, RMCE

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**Resource History & Actions**

Approved on Aug 14, 2009  
Last modified on Apr 22, 2015

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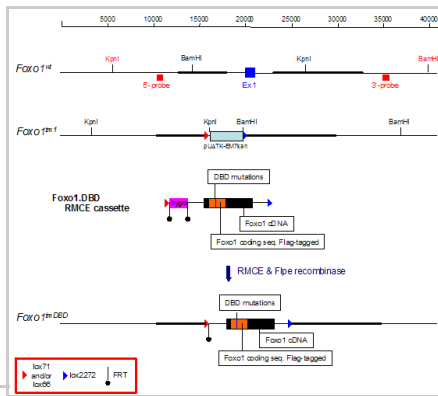
**Related resources****BCBC**

*No matching resources*

**Other Consortia**

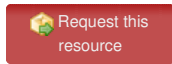
*No matching resources*

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



## Repositories

### Magnuson Lab



**Stock #:** KH BSID 0062  
**Availability Notes:** Sperm cryo vial KH, Straw KH, BSID 0062, 48 straws, frozen 9/2/09

## Contact Information

### Preferred Contact

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## Associated Publications

No publications associated

## Comments

There are no comments for this entry.

