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

Common Name:	Foxo1.DBD
MGI Official Name:	Foxo1 ^{tm1(DBD)Dac}
Description:	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.
Categories:	None specified.

Genetic Alterations

1) RMCE Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	forkhead box O1 (Foxo1 - NCBI GeneID:56458)
Targeted Allele	targeted mutation 1 (Foxo1 ^{tm1(LCA)} - MGI:189007)
Description of Targeting Vector	<i>Not provided</i>
Targeting Vector Genbank File	pFoxo1.LCA.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided.
Exchanged Cassette Allele Name	Foxo1 ^{DBD}
Description of Exchange Vector	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.
Exchange Vector Genbank File:	pFoxo1.DBD.gb
Citations	Not Available


Strain Information

Strain Type:	Mixed
Chimera/Founder Genetic Background:	129S6/SvEvTac
Current Genetic Background:	93.75% C57BL6/J (date recorded: 04/23/2015)
Strain Description:	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

Image 1	Description: <i>Not provided</i>
	Reference: <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^{tm1(DBD)Dac}, 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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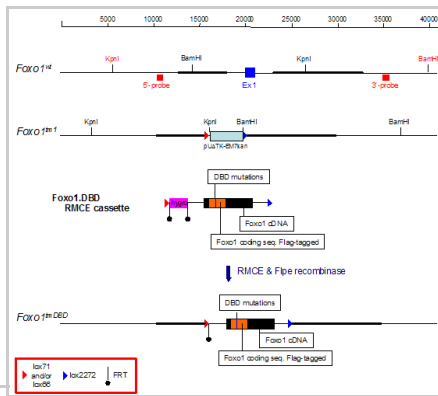
Related resources**BCBC**

No matching resources

Other Consortia

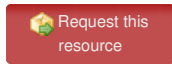
No matching resources

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

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Associated Publications

No publications associated

Comments

There are no comments for this entry.

