Foxo1(GFP) - Mouse Strain RES2061

Mouse Information

Common Name: Foxo1(GFP)
MGI Official Name: Foxo1<sup>tm1(GFP)Dac</sup>
Description: A GFP cDNA has been knocked into the Foxo1 locus at the 3' end of the endogenous Foxo1 cDNA to generate a Foxo1-gfp fusion protein that can be used to study Foxo1 translocation in vivo.
Categories: Fluorescent Probes

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<sup>tm1(LCA)</sup> - MGI:1890077)
Description of Targeting Vector: Not provided
Targeting Vector Genbank File: pFoxo1.LCA.gb
Recombinase-Mediated Cassette Exchange Stage
Type of Allele: Gene Replacement
Exchanged Cassette Gene: green fluorescent protein (GFP)
Exchanged Cassette Allele Name: Foxo1<sup>GFP</sup>
Description of Exchange Vector: The 129S6-derived chimeric mice were bred to C57Bl6/J mice to determine germline transmission. Germline competent chimera were then mated to FLPe mice (in C57Bl6/J) to delete the hygromycin resistance cassette. Subsequent backcross matings to C57Bl6/J are ongoing.
Exchange Vector Genbank File: pfoxo1.gfp.gb
Citations: Not Available

Strain Information

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

Access Status

This resource is publicly viewable.

Request this Resource

Primary contributor: Domenico Accili
Co-contributed by: BCBC Mouse / ES Cell Core

Resource Tags

Foxo1(GFP), Foxo1<sup>tm1(GFP)Dac</sup>, mESC Core, mouse, mouse strain, RMCE

Resource History & Actions

Approved on Sep 18, 2009
Last modified on Apr 07, 2015

Related resources

BCBC
No matching resources

Other Consortia
No matching resources

Data courtesy of dkCOIN. Only public resources are displayed.
Repositories

Accili Lab
No URL supplied for repository
Stock #: Not provided
Availability Notes: Not provided

Magnuson Lab
Stock #: LF BSID 0075
Availability Notes: Sperm cryo vial LF, Straw LF, BSID 0075, 49 straws, frozen 7/15/10

Contact Information

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Primary Lab Contact
Name: Not provided
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Email: Not provided

Associated Publications
No publications associated

Comments
There are no comments for this entry.

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