

**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**

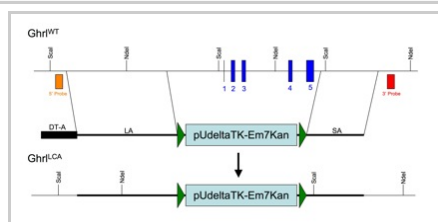
About the BCBC  
BCBC Events  
Branding & Logos  
Career Opportunities  
Health  
NIH hESC Registry  
Policies & Guidelines  
Member Publications  
Research Programs  
Research Investigators  
Member Directory  
Tutorials

**Ghrl<sup>LCA</sup> - ES Cell Line RES721****ESC Line Information**

Cell Line Name:	Ghrl <sup>LCA</sup>
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	<i>Not provided.</i>
Description:	ES cells were modified by homologous recombination to replace a 6.912 kb region of the Ghrelin (GHRL) gene from 2.7 kb upstream of exon 1 to 0.5 kb downstream of exon 5 with tandemly oriented lox71 and lox2272 sites as well as both positive and negative selectable markers. The gene was replaced by tandemly oriented lox71 and lox2272 sites as well as both positive and negative selectable markers.

**Genetic Alterations**

1) Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	Ghrelin (Ghrl - <a href="#">NCBI GeneID:58991</a> )
Targeted Allele	targeted mutation (Ghrl <sup>LCA</sup> - <a href="#">MGI:1930008</a> )
Description of Targeting Vector	Not available
Targeting Vector Genbank File	<a href="#">ghrelin.gb</a>
Citations	Not Available

**Associated Images****Image 1****Description:**

Schematic diagram of homologous recombination to insert loxP sites and selection cassette into the Ghrl locus to create the Ghrl<sup>LCA</sup> allele. Probes used for Southern confirmation of gene targeting are shown in orange (5' arm) and red (3' arm).

**Reference:**

*Not provided*


**Repositories****Magnuson Lab**

Stock #: *Not provided*  
Availability Notes: *Not provided*

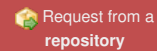
**Contact Information****Preferred Contact**

Name	Lori Sussel
Institution	Columbia University
Phone	212-851-5115
Email	<a href="mailto:lgs2@columbia.edu">lgs2@columbia.edu</a>

**Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository


Primary contributor: [Sussel Lab](#)

Co-contributed by:

- [BCBC Mouse / ES Cell Core](#)

**Resource Tags**

cassette acceptor, embryonic, es, ESC, esc, ghrelin, Ghrl<sup>LCA</sup>, mESC Core, stem, TL-1

 Login to edit tags

 Read more about tags

**Resource History & Actions**

Approved on Jan 16, 2009

Last modified on Sep 29, 2011

 Login to edit or request an edit

**Related resources****BCBC**

*No matching resources*

**Other Consortia**

*No matching resources*

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

## 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](#).

