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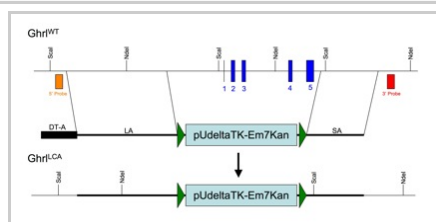
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Ghrl^{LCA} - ES Cell Line RES721**ESC Line Information**

Cell Line Name:	Ghrl ^{LCA}
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 - NCBI GeneID:58991)
Targeted Allele	targeted mutation (Ghrl ^{LCA} - MGI:1930008)
Description of Targeting Vector	Not available
Targeting Vector Genbank File	ghrelin.gb
Citations	Not Available

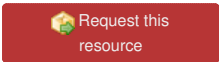
Associated Images**Image 1****Description:**

Schematic diagram of homologous recombination to insert loxP sites and selection cassette into the Ghrl locus to create the Ghrl^{LCA} 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 #: <i>Not provided</i> Availability Notes: <i>Not provided</i>


Contact Information

Preferred Contact	
Name	Lori Sussel
Institution	Columbia University
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Access Status

 This resource is publicly viewable.

Request this Resource




Primary contributor: [Sussel Lab](#)

Co-contributed by:

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

Resource Tags

cassette acceptor, embryonic, es, ESC, esc, ghrelin, Ghrl^{LCA}, mESC Core, stem, TL-1





Resource History & Actions

Approved on Jan 16, 2009

Last modified on Sep 29, 2011



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

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