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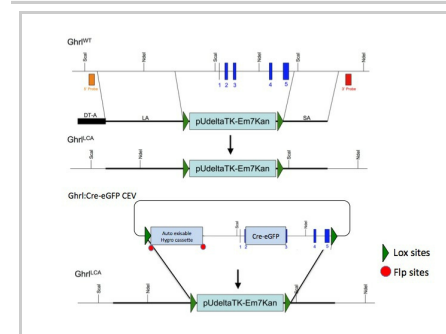
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Ghr^{Cre-eGFP} - ES Cell Line RES761**ESC Line Information**

Cell Line Name:	Ghr ^{Cre-eGFP}
Parental Cell Line:	TL-1 / Ghr ^{LCA}
Background Strain:	129
Culturing Protocol:	<i>Not provided.</i>
Description:	Recombinase mediated cassette exchange (RMCE) was used to insert the Cre-eGFP fusion protein into the ghrelin locus using ES cells containing the Ghr ^{LCA} allele. The Cre-eGFP protein uses the endogenous AUG start codon and polyadenylation sequence.

Genetic Alterations**1) RMCE Targeted Mutagenesis**

Type of Allele	Cassette Acceptor
Targeted Gene	Ghrelin (Ghr1 - NCBI GeneID:58991)
Targeted Allele	targeted mutation (Ghr ^{LCA} - MGI:1930008)
Description of Targeting Vector	Not available
Targeting Vector Genbank File	ghrelin.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Cre-eGFP (Cre-eGFP)
Exchanged Cassette Allele Name	Ghr ^{Cre-eGFP}
Description of Exchange Vector	not available
Exchange Vector Genbank File:	Ghr1_Cre-eGFP_CEV.gb
Citations	Not Available

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

Schematic diagram showing modifications of the ghrelin locus to insert the Cre-eGFP fusion protein coding sequence into the ghrelin locus. The top diagram shows creation of the Ghr^{LCA} allele. ES cells containing the Ghr^{LCA} allele were then used to generate the Cre-eGFP knockin allele as outlined in the lower diagram.

Reference:

Not provided


Repositories

Magnuson Lab


 Request this resource

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

Access Status

 This resource is publicly viewable.

Request this Resource

 Request from a repository

Primary contributor: [Sussex Lab](#)

Co-contributed by:

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

Resource Tags

Cre, embryonic, es, ESC, esc, GFP, ghrelin, Ghr^{Cre-eGFP}, stem, TL1-Ghr^{LCA}


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Resource History & Actions

Approved on Jan 16, 2009

Last modified on May 19, 2011

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

Contact Information

Preferred Contact

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Associated Publications

No publications associated

Comments

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