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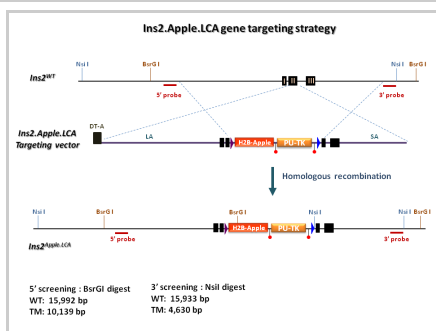
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**Ins2<sup>Apple.LCA</sup> - ES Cell Line RES4156****ESC Line Information**

<b>Cell Line Name:</b>	Ins2 <sup>Apple.LCA</sup>
<b>Parental Cell Line:</b>	TL-1
<b>Background Strain:</b>	129
<b>Culturing Protocol:</b>	<a href="#">Std_mESC_Culture.doc</a>
<b>Description:</b>	This ES cell line was made by gene targeting and designed to express a H2B-Apple fusion protein (nuclear red fluorescent protein) from the Ins2 promoter. The FP coding sequence is downstream of the Ins2 start codon (replacing exon 2 of Ins2) and is flanked by Lox66/Lox2272 sites to allow for future manipulations of the flanked region by RMCE.


**Genetic Alterations****1) Targeted Mutagenesis**

<b>Type of Allele</b>	Cassette Acceptor
<b>Targeted Gene</b>	Insulin 2 (Ins2 - <a href="#">NCBI GeneID:20671</a> )
<b>Targeted Allele</b>	<i>Not provided</i> (Ins2 <sup>apple.LCA</sup> )
<b>Description of Targeting Vector</b>	The targeting vector was based on the pSP72.Ins2.GFP.LNL targeting vector from <a href="#">Lori Susse's lab</a> and contains 7078 bp 5' and 3570 bp 3' homology arms. The 5' homology arm is followed by a Lox66 site, a H2B-Apple sequence, a Lox2272 site, and a flrtd (FRT flanked) puTK selection marker that is used for positive selection with puromycin (for targeting events) and negative selection with ganciclovir (for RMCE events).
<b>Targeting Vector Genbank File</b>	<a href="#">pSP72.Ins2.Apple.LCA.gb</a>
<b>Citations</b>	Not Available

**Associated Images****Image 1****Description:***Not provided***Reference:***Not provided***Access Status**

 This resource is publicly viewable.

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Primary contributor: [Herrera Lab](#)

Co-contributed by:

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

**Resource Tags**

embryonic, es, esc, Ins2<sup>Apple.LCA</sup>, stem, TL-1

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**Resource History & Actions**

Approved on Dec 22, 2011

Last modified on Dec 19, 2011

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*No matching resources*

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

**Repositories****Magnuson Lab**

 Request this resource

**Stock #:** *Not provided*

**Availability Notes:** *Not provided*

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


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### Associated Publications

*No publications associated*

### Comments

*There are no comments for this entry.*

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