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Rosa26^{tm1}(Ccnd1) - ES Cell Line RES1961**ESC Line Information**

Cell Line Name:	Rosa26 ^{tm1} (Ccnd1)
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	Std_mESC_Culture.doc
Description:	ES cells express mutant cyclin D1-T286A and a cherry reporter under the regulation of a tetracycline-responsive bi-directional minimal CMV promoter (TRE-Tight; tetO) targeted to the ROSA26 locus.

Genetic Alterations

1) RMCE Targeted Mutagenesis	
Type of Allele	Cassette Acceptor
Targeted Gene	gene trap ROSA 26, Philippe Soriano (Gt(ROSA)26Sor - NCBI GeneID:14910)
Targeted Allele	targeted mutation 1 (Rosa26 ^{tm1} (LCA) - MGI:104735)
Description of Targeting Vector	Not available
Targeting Vector Genbank File	pRosa26.LCA.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Conditional Activating
Exchanged Cassette Gene	Cyclin D1 (Ccnd1 - NCBI GeneID:12443)
Exchanged Cassette Allele Name	Rosa26 ^{Ccnd1}
Description of Exchange Vector	not available
Exchange Vector Genbank File:	phygro66.2272.rv.cyclind.cherry.gb
Citations	Not Available

Associated Images

No associated images have been supplied

Repositories

Magnuson Lab	
Out of stock	Stock #: Not provided Availability Notes: Not provided


Contact Information

Preferred Contact	
Name	Mark Magnuson
Institution	Vanderbilt University
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Associated Publications

No publications associated

Comments**Access Status**

 This resource is publicly viewable.


Request this Resource


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Primary contributor: [Magnuson Lab](#)

Resource Tags

embryonic, es, esc, Rosa26^{tm1}(Ccnd1), stem, TL-1

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Resource History & Actions

Approved on Sep 04, 2009
Last modified on Apr 13, 2015

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