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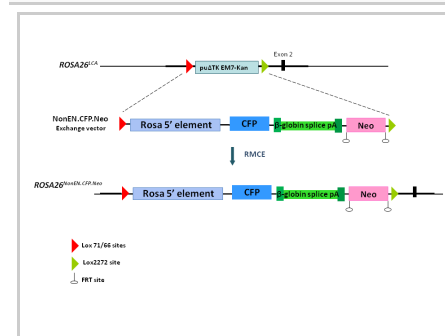
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Rosa26^{Non-EN-CFP-Neo} - ES Cell Line RES2401**ESC Line Information**

Cell Line Name:	Rosa26 ^{Non-EN-CFP-Neo}
Parental Cell Line:	TL-1 / Rosa26[LCA] clone 5B9
Background Strain:	129
Culturing Protocol:	std_mesc_culture.doc
Description:	This ES cell line contains CFP (Cerulean) inserted into a Rosa26 ^{LCA} allele by recombinase mediated cassette exchange. These cells were used to identify the optimal arrangement of regulatory elements for fluorescent protein expression from a single genomic copy.

Genetic Alterations**1) RMCE Targeted Mutagenesis**

Type of Allele	Gene Replacement				
Targeted Gene	gene trap ROSA 26, Philippe Soriano (Gt(ROSA)26Sor - NCBI GeneID:14910)				
Targeted Allele	targeteted mutation 1.8 (Rosa26 ^{tm1.8(Non-EN-CFP)})				
Description of Targeting Vector	Not available				
Targeting Vector Genbank File	pRosa26.LCA3.gb				
Recombinase-Mediated Cassette Exchange Stage					
Type of Allele:	Not available				
Exchanged Cassette Gene	Not provided. (MGI:14910)				
Exchanged Cassette Allele Name	Rosa26 ^{LCA}				
Description of Exchange Vector	Not provided				
Exchange Vector Genbank File:	prosa.nonen.cfp.bgsplicepa.neo.gb				
Citations	<table border="1"> <thead> <tr> <th>PubMedID</th> <th>Citation</th> </tr> </thead> <tbody> <tr> <td>21324933</td> <td>Quantification of factors influencing fluorescent protein expression using RMCE to generate an allelic series in the ROSA26 locus in mice. (2011) <i>Dis Model Mech</i> 4: 537-47 (Added 2012-09-24 16:36:23.369844)</td> </tr> </tbody> </table>	PubMedID	Citation	21324933	Quantification of factors influencing fluorescent protein expression using RMCE to generate an allelic series in the ROSA26 locus in mice. (2011) <i>Dis Model Mech</i> 4: 537-47 (Added 2012-09-24 16:36:23.369844)
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Associated Images**Image 1****Description:**

A cyan (Cerulean) fluorescent protein gene was placed under the control of a 4kb Rosa 26 promoter element followed by an intronic region and polyA site from the rabbit beta globin gene.


Reference:

21324933

Access Status

 This resource is publicly viewable.

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Primary contributor: [Magnuson Lab](#)

Co-contributed by:

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

Resource Tags

embryonic, es, esc, mESC Core, RMCE, Rosa26^{Non-EN-CFP-Neo}, stem, TL1, Rosa26^{LCA} clone 5B9

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Resource History & Actions

Approved on Nov 09, 2009

Last modified on Mar 04, 2011

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

Repositories

Magnuson Lab

Out of stock

Stock #: VUMC

Availability Notes: *Not provided*

Contact Information

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Associated Publications

No publications associated

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