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**Rosa26<sup>R26-60-AR8-TA-mCherry</sup> - ES Cell Line RES2762****ESC Line Information**

Cell Line Name:	Rosa26 <sup>R26-60-AR8-TA-mCherry</sup>
Parental Cell Line:	TL-1 / Rosa26[LCA] clone 5B9
Background Strain:	129
Culturing Protocol:	<a href="#">std_mesc_culture.doc</a>
Description:	In these cells Rosa26 gene sequences from -60 to +81 were replaced by an Activin response element (AR8) fused to a TATA-mCherry reporter

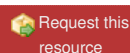
**Genetic Alterations****1) RMCE Targeted Mutagenesis**

Type of Allele	Cassette Acceptor
Targeted Gene	gene trap ROSA 26, Philippe Soriano (Gt(ROSA)26Sor - <a href="#">NCBI GeneID:14910</a> )
Targeted Allele	targeted mutation 1 (Rosa26 <sup>tm1(LCA)</sup> - <a href="#">MGI:104735</a> )
Description of Targeting Vector	The Rosa 26 cassette acceptor allele was created by replacing a 5.165 kb region of this gene containing exon 1 with a floxed tk-neo cassette, a puromycin-delta-thymidine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pU-deltaTK) and a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo) flanked by minimal (34 bp) tandemly oriented lox71 and lox2272 sites.

Targeting Vector Genbank File	<a href="#">pRosa26.LCA.gb</a>
<b>Recombinase-Mediated Cassette Exchange Stage</b>	
Type of Allele:	Gene Replacement
Exchanged Cassette Gene	Not provided. (R26-60-AR8-TA-mCherry)
Exchanged Cassette Allele Name	Rosa26 <sup>R26-60-AR8-TA-mCherry</sup>
Description of Exchange Vector	not available
Exchange Vector Genbank File:	<a href="#">pr2660_ar8_tacherry.gb</a>
Citations	Not Available

**Associated Images**

No associated images have been supplied

**Repositories****Magnuson Lab**

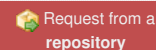
Stock #: BCBC2762  
Availability Notes: *Not provided*

**Contact Information**

<b>Preferred Contact</b>	
Name	Palle Serup
Institution	University of Copenhagen
Phone	+45 35 33 51 95

**Access Status**

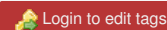
This resource is publicly viewable.

**Request this Resource**

Primary contributor: [Palle Serup](#)  
Co-contributed by:  
• [BCBC Mouse / ES Cell Core](#)

**Resource Tags**

embryonic, es, esc, Rosa26<sup>LCA</sup> clone 5B9, Rosa26<sup>R26-60-AR8-TA-mCherry</sup>, stem



[Read more about tags](#)

**Resource History & Actions**

Approved on Jan 20, 2010  
Last modified on Mar 30, 2010

**Related resources****BCBC**

No matching resources

**Other Consortia**

No matching resources

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


Email [palle.serup@sund.ku.dk](mailto:palle.serup@sund.ku.dk)

## Associated Publications

*No publications associated*

## Comments

*There are no comments for this entry.*

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