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**Rosa26<sup>-60.IBRE4.TA.Cerulean</sup> - Mouse Strain RES4012****Mouse Information**

<b>Common Name:</b>	Rosa26 <sup>-60.IBRE4.TA.Cerulean</sup>
<b>MGI Official Name:</b>	Rosa26 <sup>(-60.IBRE4.TACerulean)Hri</sup>
<b>Description:</b>	This mouse contains aBMP reporter element within a modified ROSA26 promoter followed by a CFP reporter. This mouse is identical to the -228 variant except for the amount of ROSA26 DNA.
<b>Categories:</b>	Fluorescent Probes

**Genetic Alterations**

<b>1) RMCE Targeted Mutagenesis</b>	
<b>Type of Allele</b>	Cassette Acceptor
<b>Targeted Gene</b>	gene trap ROSA 26, Philippe Soriano (Gt(ROSA)26Sor - <a href="#">NCBI GeneID:14910</a> )
<b>Targeted Allele</b>	targeted mutation 1 (Rosa26 <sup>tm1(LCA)</sup> - <a href="#">MGI:104735</a> )
<b>Description of Targeting Vector</b>	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.

<b>Targeting Vector Genbank File</b>	<a href="#">pRosa26.LCA.gb</a>
<b>Recombinase-Mediated Cassette Exchange Stage</b>	
<b>Type of Allele:</b>	Not available
<b>Exchanged Cassette Gene</b>	Not provided. ( <a href="#">MGI:14910</a> )
<b>Exchanged Cassette Allele Name</b>	Rosa26 <sup>tm2.1(R26-60-IBRE4-TA-Cerulean)</sup>
<b>Description of Exchange Vector</b>	Rosa26 <sup>(-60.IBRE4.TA.Cerulean)</sup>
<b>Exchange Vector Genbank File:</b>	<a href="#">pR2660.IBRE4.TACerulean.gb</a>
<b>Citations</b>	Not Available

**Strain Information**

<b>Strain Type:</b>	Mixed
<b>Chimera/Founder Genetic Background:</b>	129S6/SvEvTac
<b>Current Genetic Background:</b>	C57BL/6J (date recorded: Not provided)
<b>Strain Description:</b>	Not provided


**Associated Images**

No associated images have been supplied


**Repositories**

<b>Serup Lab</b>	
No URL supplied for repository	<b>Stock #:</b> Not provided <b>Availability Notes:</b> Not provided

**Access Status**

 This resource is publicly viewable.

**Request this Resource**

 Request from a repository

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

**Resource Tags**


mouse, mouse strain, Rosa26<sup>-60.IBRE4.TA.Cerulean</sup>, Rosa26<sup>(-60.IBRE4.TACerulean)Hri</sup>

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**Resource History & Actions**

Approved on Mar 05, 2011  
Last modified on Jan 31, 2013

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No matching resources

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

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## Associated Publications


Publication	Citation
<a href="#">22888097</a>	Serup P, Gustavsen C, Klein T, Potter LA, Lin R, Mullapudi N, Wandzioch E, Hines A, Davis A, Bruun C, Engberg N, Petersen DR, Peterslund JM, Macdonald RJ, Grapin-Botton A, Magnuson MA, Zaret KS <a href="#">Partial promoter substitutions generating transcriptional sentinels of diverse signaling pathways in embryonic stem cells and mice.</a> (2012) <i>Dis Model Mech</i> 5: 956-66 (Added March 21, 2013)

## Comments



03/05/2011 03:12 PM  
[Mark Magnuson](#)

Palle told me that this mouse had the same expression phenotype as Rosa26R26-228 IBRE4-TA-Cerulean variant so was terminated.

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