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Rosa26^{-60.IBRE4.TA.Cerulean} - Mouse Strain RES4012**Mouse Information**

Common Name:	Rosa26 ^{-60.IBRE4.TA.Cerulean}
MGI Official Name:	Rosa26 ^{(-60.IBRE4.TACerulean)Hri}
Description:	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.
Categories:	Fluorescent Probes

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	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	pRosa26.LCA.gb
Recombinase-Mediated Cassette Exchange Stage	
Type of Allele:	Not available
Exchanged Cassette Gene	Not provided. (MGI:14910)
Exchanged Cassette Allele Name	Rosa26 ^{tm2.1(R26-60-IBRE4-TA-Cerulean)}
Description of Exchange Vector	Rosa26 ^(-60.IBRE4.TA.Cerulean)
Exchange Vector Genbank File:	pR2660.IBRE4.TACerulean.gb
Citations	Not Available

Strain Information

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


Associated Images

No associated images have been supplied


Repositories

Serup Lab	
No URL supplied for repository	Stock #: Not provided Availability Notes: 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^{-60.IBRE4.TA.Cerulean}, Rosa26^{(-60.IBRE4.TACerulean)Hri}

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Resource History & Actions

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

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Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

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

Contact Information

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Associated Publications


Publication	Citation
22888097	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 Partial promoter substitutions generating transcriptional sentinels of diverse signaling pathways in embryonic stem cells and mice. (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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