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ly Account	Bosa26 ^{R26-228-DR5-TA-}	Cerulean - Mouse Strain BES1281	
ogin			
reate Account	Mouse Information	Mouse Information	
	Common Name:	Rosa26 ^{R26-228-DR5-TA-Cerulean}	This resource is publicly viewable.
esources	MGI Official Name:	Rosa26 ^{tm1.2} (R26-228-DR5-TA-Cerulean)Mgn	
ew All (813)	Description:	These mice were generated using RMCE to insert	Request this Resource
tenoviruses (137)		an exchange vector containing a modified Rosa26	Request from a
itibodies (175)		(CFP) reporter gene into mESCs containing a Loxed	repository
onomics Studios (145)		Cassette Acceptor (LCA) allele within the Rosa26 gene locus. The Rosa26 promoter in this mouse	Primary contributor: Magnuson Lab
ESC Lines (68)		was altered by replacing DNA sequences from -228	Co-contributed by:
		to +81 with a multimerized retinoic acid response element (DR5) fused to a TATA box. This mouse	BCBC Mouse / ES Cell Core
		will facilitate studies of retinoic acid signaling in an	
otocols (55)		Intact animal.	Resource Tags
esearch Data (4)	Categories:	Fluorescent Probes	mouse, mouse strain, Rosa26 ^{R26-228-DR5-}
			TA-Cerulean
sualization (9)	Genetic Alterations		Login to edit tags
50001201011 (0)	1) RMCE Targeted Mutagenesis	1) RMCE Targeted Mutagenesis	
esearch & Cores		Consetto Acceptor	
ore Facilities (5)			Resource History & Actions
esearch Highlights (5)	Targeted Gene	gene trap ROSA 26, Philippe Soriano (Gt(ROSA)26Sor - NCBI GeneID:14910)	Approved on Mar 19, 2009
esearch Networks		targeted mutation 1 (Bosa26 ^{tm1(LCA)} - MGI:104735)	Last modified on Jun 27, 2011
esearch Objectives			login to edit or request an edit
formation	Description of Targeting Vector	The Rosa 26 cassette acceptor allele was created	
		containing exon 1 with a floxed tk-neo cassette, a	Related resources
		puromycin-delta-thymidine kinase fusion gene	BCBC
		promoter (pU-deltaTK) and a neomycin resistant	No matching resources
anding & Logos		gene driven by the bacterial EM7 promoter	No matching resources
alth		(EM7neo) flanked by minimal (34 bp) tandemly oriented lox71 and lox2272 sites.	Other Consortia
H hESC Begistry			No matching resources
licies & Guidelines	-		Data courtesy of <u>dkCOIN</u> . Only public
ember Publications	Targeting Vector Genbank File	pRosa26.LCA.gb	
esearch Programs	Recombinase-Mediated Cassette Exchange Stage		
esearch Investigators	Type of Allele:	Not available	
ember Directory	Exchanged Cassette Gene	Not provided. (MGI:14910)	
torials	Exchanged Cassette Allele Name	Rosa26{tm1.2((R26-228-DR5-Cerulean)	
	Description of Exchange Vector		
	gg	Rosa26{(R26-228-DR5-TA-Cerulean)}	
	Exchange Vector Genbank File:	R26228DR5TACerulean.gb	
	Citations	Not Available	
		NUL AVAIIAULE	
	Strain Information	Mixed	
	Chimera/Founder Genetic	129S6/SvEvTac	
	Current Genetic Background	C57BL/6J (date recorded: 03/27/2015)	
	Strain Description:	129S6 germline chimeras were backcrossed for two generations to C57B1/61	

Associated Images

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