

Floxed mutant mice possessing flanking loxP sites of the Tsc2 gene on a C57Bl/10J background.

Keywords: [Tuberin](#) [Tsc2](#) [Kcess](#) [tuberous sclerosis complex](#)

[Expand](#)

[Request this Mouse Line](#)

Mouse Information

Common Name	Tsc2 Flox
VCMR ID	RQ
Date Cryopreserved	2014-01-02
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	32.00%

Genetic Alteration

Mutation #1: Targeted Mutagenesis	
Allele	Name: TSC complex subunit 2; targeted mutation 1.1, Kevin C Ess Symbol: Tsc2 ^{tm1.1Kcess} MGI: 5496783
Zygosity at cryopreservation	Homozygous
PCR Genotyping Protocol	Tsc2_flox_genotyping_primers.docx
Citations	<p>Publication</p> <p>Conditional and domain-specific inactivation of the Tsc2 gene in neural progenitor cells. (2013) <i>Genesis</i> 51: 284-92 (Added 12/2/2013) PMID: 23359422</p>

Background Strain Information

Strain Type	Congenic Strain
Chimera/Founder Genetic Background	129S6/SvEvTac

Cryopreservation Strain Background (VCMR)	C57Bl/10J
--	-----------

Viability and Fertility Data	Homozygous and heterozygous viable and fertile.
-------------------------------------	---

Additional Information

A loxP site was inserted upstream of exon 36. An FRT-flanked neomycin resistance cassette with a 3' loxP site was inserted downstream of exon 37. Flp-mediated recombination removed the neomycin resistance cassette and left exons 36 and 37 floxed.