

The Sepp1 gene is flanked by loxP sites. When mated with the desired cre-recombinase mouse, Sepp1 is deleted from cells that express the cre.

Keywords: [Burk](#) [Sepp1](#) [loxP](#) [targeted mutation 3.1](#)

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Mouse Information

Common Name	Sepp1 Floxed
VCMR ID	SV
Date Cryopreserved	2014-08-12
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	40.00%

Genetic Alteration

Mutation #1: Targeted Mutagenesis	
Allele	Name: selenoprotein P; targeted mutation 3.1, Raymond F Burk Symbol: Selenop ^{tm3.1Rfb} MGI: MGI:5466366
Zygoty at cryopreservation	Homozygous
PCR Genotyping Protocol	Genotyping_Protocol_SV.pdf
Citations	<p>Publication</p> <p><u>Production of selenoprotein P (Sepp1) by hepatocytes is central to selenium homeostasis.</u> (2012) <i>J Biol Chem</i> 287: 40414-24 (Added 3/7/2014) PMID: 23038251</p>

Background Strain Information

Strain Type	Congenic Strain
Chimera/Founder Genetic Background	C57BL/6

Cryopreservation Strain Background (VCMR)	C57BL/6J
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Viability and Fertility Data	Heterozygous and homozygous viable and fertile.
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