

Targeted Δ 16bp null mutation in the first translated exon of Zfp800, generated via CRISPR/Cas9 endonuclease technology. C57Bl6J, Cas9 expressing mice were crossed to C57Bl6N wildtype mice to generate Cas9⁺ embryos. These embryos were injected with target specific gRNAs and the resulting founders are in a mixed C57Bl6J/ C57Bl6N background. Donor males were 75% C57Bl6/J and 25% C57Bl6/N at cryopreservation.

Keywords: [zinc finger protein 800](#) [Zfp](#) [zinc finger](#) [Mgn](#) [Zfp800](#) [NHEJ](#) [Knockout](#) [Magnuson](#) [CRISPR](#)

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Mouse Information

Common Name	Zfp800
VCMR ID	YY
Date Cryopreserved	2018-06-26
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	25.00%

Genetic Alteration

Mutation #1: Nuclease-Mediated	
Allele	Name: zinc finger protein 800; endonuclease mediated 1, Mark Magnuson Symbol: Zfp800 ^{em1Mgn} MGI: 6716236
Zygosity at cryopreservation	Heterozygous
PCR Genotyping Protocol	Genotyping_Protocol_YY.pdf
Citations	<p>Publication</p> <p>A developmental lineage-based gene co-expression network for mouse pancreatic β-cells reveals a role for in pancreas development. (2021) <i>Development</i> 148: (Added 3/15/2021) PMID: 33653874</p>

Background Strain Information

Strain Type	Inbred Strain
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Chimera/Founder Genetic Background	C57BL/6NHsd
Cryopreservation Strain Background (VCMR)	C57BL/6J
Viability and Fertility Data	Viable and fertile.
