

Wild type human cDNA for voltage gated sodium channel Scn5a containing flag tag. Wild type human cDNA for Scn5a replaces expression of murine ortholog. 24 base pair flag tag inserted 3540 base pairs 3' of the ATG start site.

Keywords: [SCN5A](#) [Flag Tag](#) [Rdn](#) [RMCE](#)

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## Mouse Information

Common Name	Flag Tag SCN5A Human WT 129
VCMR ID	QL
Date Cryopreserved	2013-08-13
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	33.00%

## Genetic Alteration

Mutation #1: Targeted Mutagenesis	
Allele	Name: sodium channel, voltage-gated, type V, alpha; targeted mutation 4, Dan M Roden Symbol: Scn5a <sup>tm4</sup> (SCN5A)Rdn MGI: 5445934
Zygoty at cryopreservation	Homozygous
PCR Genotyping Protocol	<a href="#">Genotyping_Protocol_QL.pdf</a>
Citations	<p><b>Publication</b></p> <p><u>Striking In vivo phenotype of a disease-associated human SCN5A mutation producing minimal changes in vitro.</u> (2011) <i>Circulation</i> <b>124</b>: 1001-11 (Added 12/5/2013) PMID: <a href="#">21824921</a></p>

## Background Strain Information

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

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<b>Cryopreservation Strain Background (VCMR)</b>	129S6/SvEvTac
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<b>Viability and Fertility Data</b>	Viable and fertile
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