

# Isl1-CreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Isl1</i> <sup>em1(CreERT2)</sup> Smoc
<b>Cat. NO.</b>	NM-KI-00013
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> Isl1	<b>Synonyms</b>	-
	<b>NCBI ID</b>	<a href="#">16392</a>
	<b>MGI ID</b>	<a href="#">101791</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000042258</a>
	<b>Human Ortholog</b>	ISL1

## Model Description

CreERT2 was inserted at the start codon (ATG site). The KI mice have a tamoxifen-inducible cre-mediated recombination system.

**Research Application:** Cre recombinase tool

\*Literature published using this strain should indicate: Isl1-CreERT2 mice (Cat. NO. NM-KI-00013) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

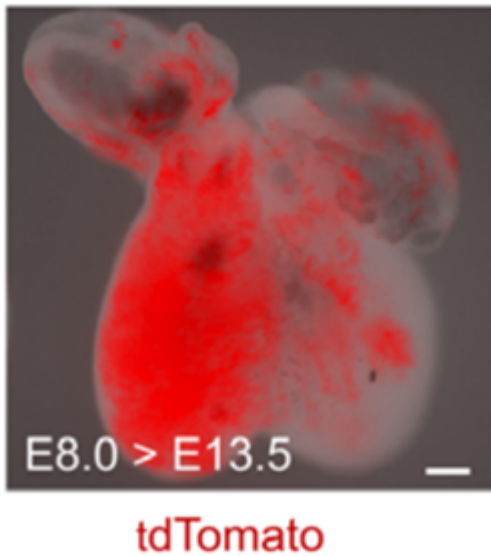
*Isl1-CreER;R26-tdTomato*

Fig. 1 CreERT2-mediated recombination in the heart of  $Isl1^{CreERT2/+}; R26^{tdtomato/+}$  mouse embryo at E13.5. The  $Isl1^+$  cell lineage (tdTomato) mainly contributes to the right ventricle at E13.5 of  $Isl1^{CreERT2/+}; R26^{tdtomato/+}$ . Tamoxifen was induced at E8.0. (Documented in the following reference.)

## Publications

[Genetic Lineage Tracing of Nonmyocyte Population by Dual Recombinases](#)

References: Circulation