

# Cdh1-2A-DreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Cdh1</i> <sup>em3(2A-DreERT2)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190031
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> Cdh1	<b>Synonyms</b>	Um; UVO; Ecad; ARC-1; E-cad; L-CAM; AA960649
	<b>NCBI ID</b>	<a href="#">12550</a>
	<b>MGI ID</b>	<a href="#">88354</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000000303</a>
	<b>Human Ortholog</b>	CDH1

## Model Description

A 2A-DreERT2 expression cassette was knocked into the Cdh1 gene stop codon site via CRISPR/Cas mediated recombination.

**Research Application:** Dre recombinase tool

\*Literature published using this strain should indicate: Cdh1-2A-DreERT2 mice (Cat. NO. NM-KI-190031) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

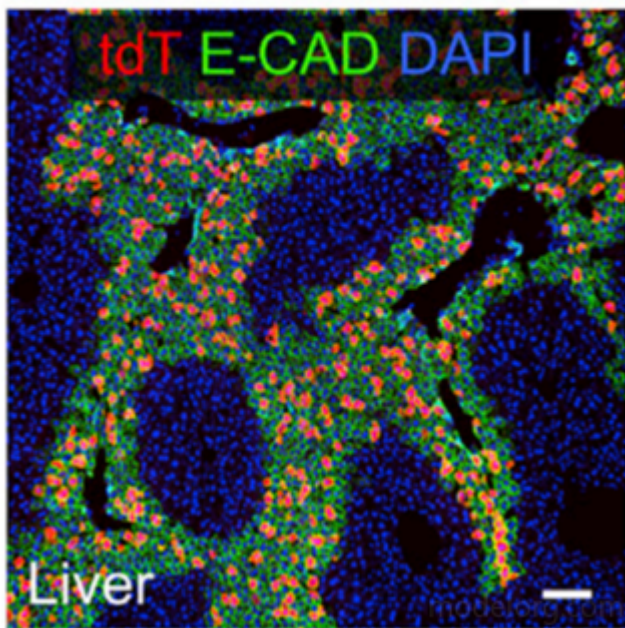
*Cdh1-2A-DreER;tdT*

Fig. 1 DreERT2-mediated recombination in the liver of  $Cdh1^{DreERT2/+}$ ;  $R26^{tdtomato/+}$  mouse. Tdtomato (red) expression can be detected in the liver after tamoxifen treatment. *Cdh1* gene encodes E-cadherin (E-CAD), a calcium-dependent adhesion molecule that expressed primarily in epithelial cells. (Documented in the following reference.)

## Publications

[A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting](#)

References: CELL STEM CELL