

# Vip-IRES-Cre

<b>Nomenclature</b>	C57BL/6Smoc- <i>Vip</i> <sup>em1(IRES-iCre-SV40-pA)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-200100
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> Vip	<b>Synonyms</b>	-
	<b>NCBI ID</b>	<a href="#">22353</a>
	<b>MGI ID</b>	<a href="#">98933</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000019772</a>
	<b>Human Ortholog</b>	VIP

## Model Description

A IRES-iCre expression cassette was knocked into the *Vip* gene stop codon site. *Vip* encodes vasoactive intestinal polypeptide. When crossed with a strain carrying a gene flanked by sites, the flanked gene will be removed in cells expressing. This strain is useful for studying bronchiectasis, immunomodulatory and anti-inflammatory.

**Research Application:** Cre recombinase tool

\*Literature published using this strain should indicate: Vip-IRES-Cre mice (Cat. NO. NM-KI-200100) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

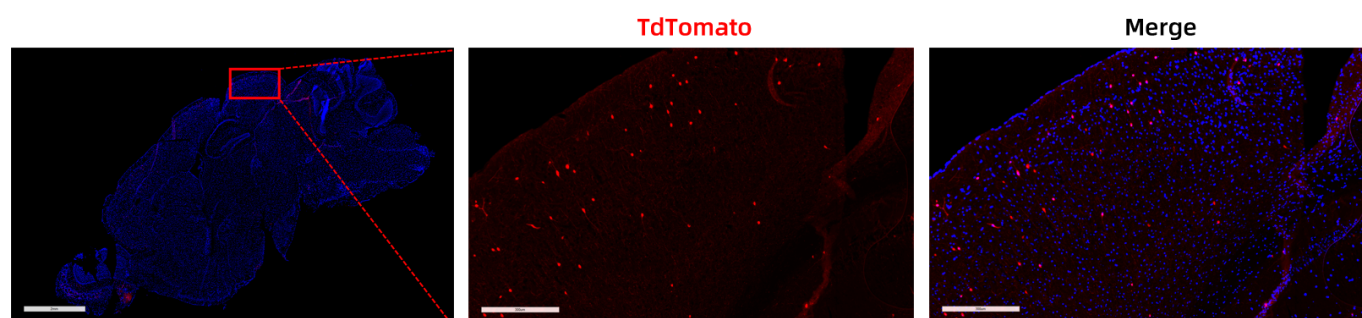


Fig. 1 Cre-mediated recombination in the brain of *Vip*<sup>Cre/+</sup>; *Rosa26*<sup>tdTomato/+</sup> mouse. TdTomato(red) expression can be detected in the cortex of *Vip*<sup>Cre/+</sup>; *Rosa26*<sup>tdTomato/+</sup> mouse.

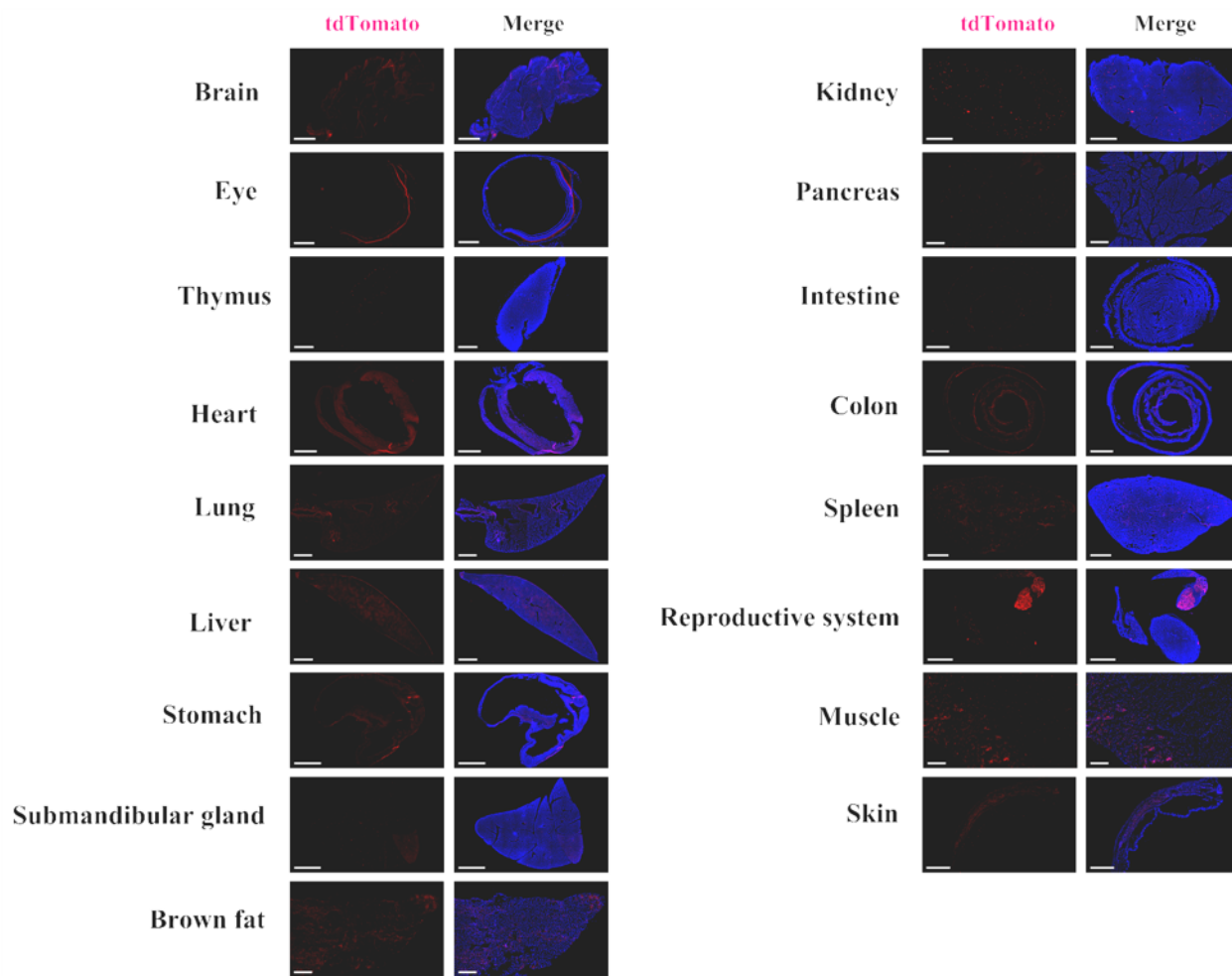


Fig. 2 Detection of tdTomato(red) in various tissues of  $Vip^{Cre/+}; Rosa26^{tdTomato/+}$  mice. Tdtomato expression can be detected in the cortex, olfactory bulb, colon, epididymis, kidney, muscle, spleen, stomach, thymus, brown fat, intestine, heart, retina, liver, lung, pancreas, testis, salivary gland and skin. (For more detailed information please contact our technical advisor.)