Vip-IRES-Cre

Nomenclature	C57BL/6Smoc-*Vip*$^{em1(IRES-iCre-SV40-pA)Smoc}$
Cat. NO.	NM-KI-200100
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol **Vip**	**Synonyms**	-
	NCBI ID	22353
	MGI ID	98933
	Ensembl ID	ENSMUSG00000019772
	Human Ortholog	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

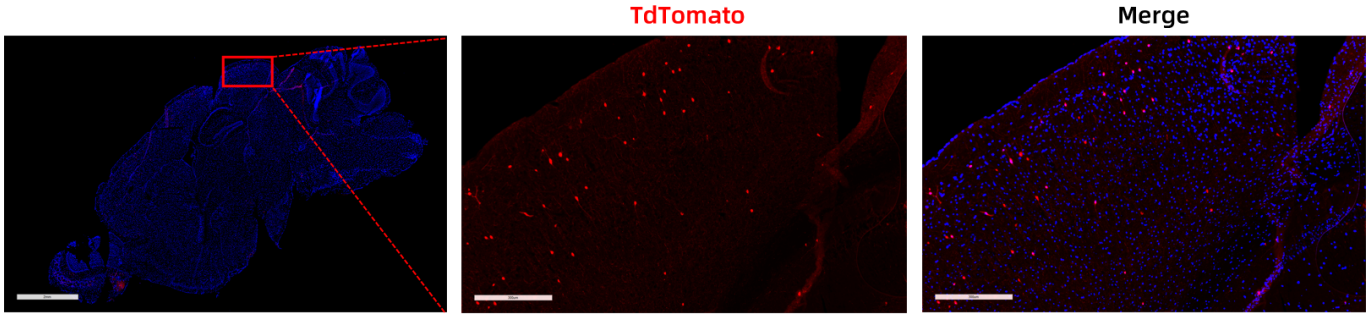

Fig. 1 Cre-mediated recombination in the brain of Vip$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the cortex of Vip$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mouse.

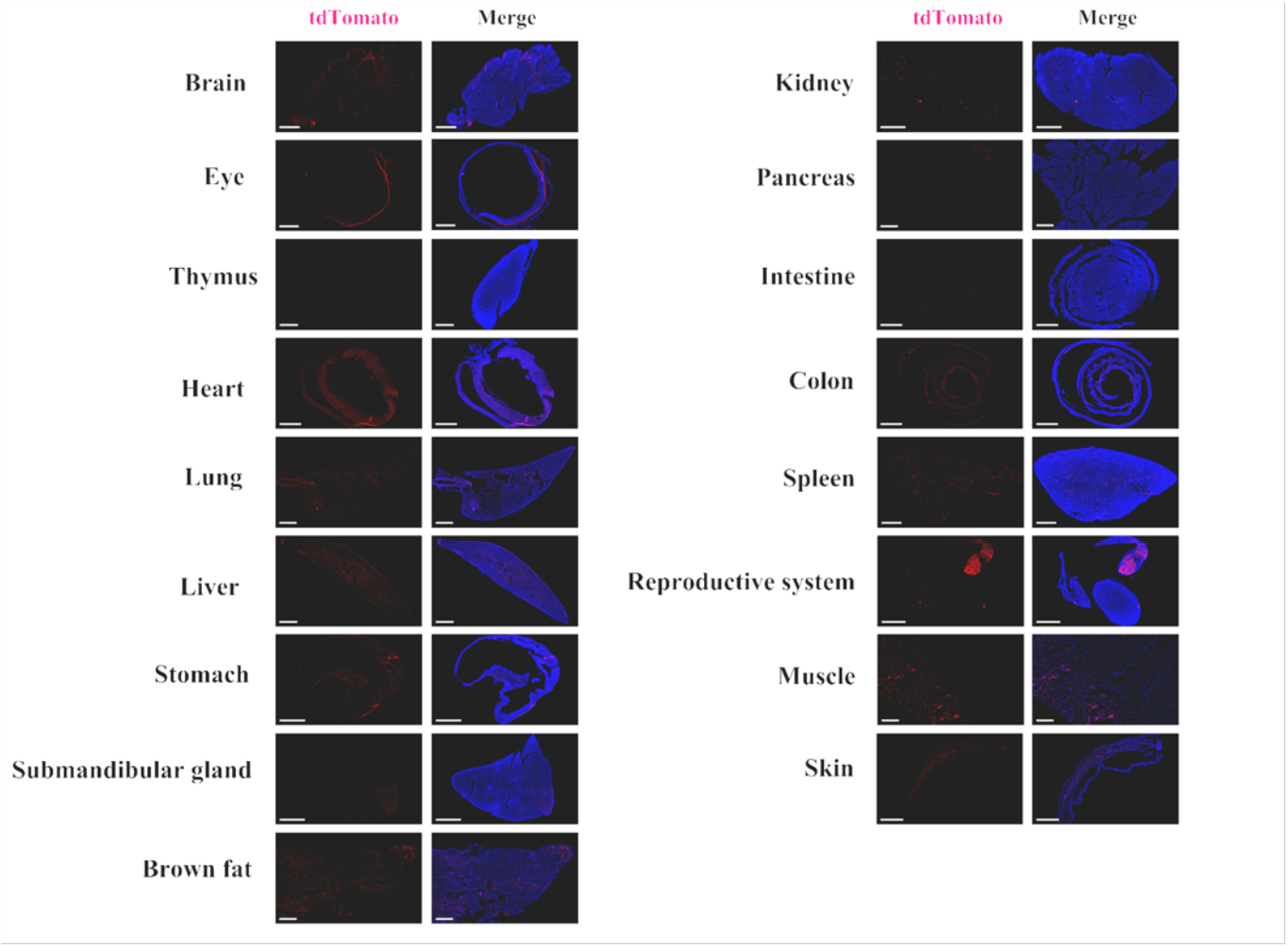

Fig. 2 Detection of tdTomato(red) in various tissues of Vip$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mice. Tdtomato expression can be detected in the cortex, olfactory bulb, colon, epididymis, kidney, muscle, spleen, stomach, thymus, brown fat, intestine, heart, retina, liver, lung, pancreas, testis, salivary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