

# Sftpc-IRES-rtTA

<b>Nomenclature</b>	C57BL/6Smoc- <i>Sftpc</i> <sup>em2(Avitag-IRES-V5-M2rtTA-WPRE-polyA)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-18043
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> Sftpc	<b>Synonyms</b>	SP5; SPC; SP-C; Sftp2; Bricd6; Sftp-2; pro-SpC
	<b>NCBI ID</b>	<a href="#">20389</a>
	<b>MGI ID</b>	<a href="#">109517</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000022097</a>
	<b>Human Ortholog</b>	SFTPC

## Model Description

An Avitag-IRES-V5-M2rtTA-WPRE-polyA expression cassette was knocked into the Sftpc gene stop codon site by homologous recombination.

\*Literature published using this strain should indicate: Sftpc-IRES-rtTA mice (Cat. NO. NM-KI-18043) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

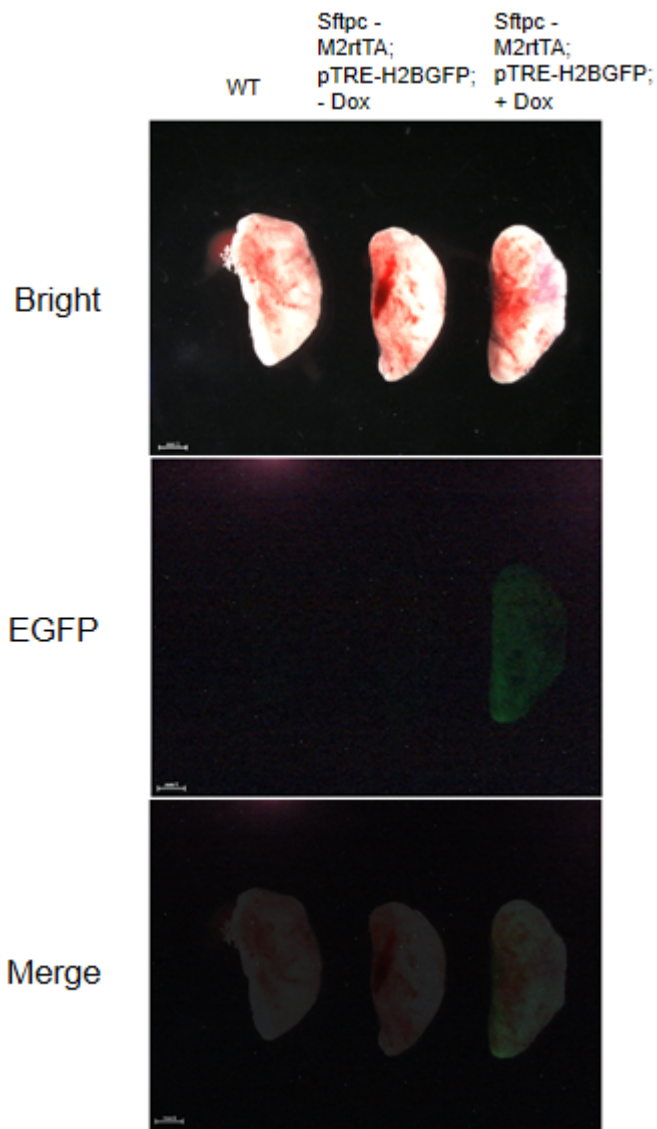


Fig1. Expression Pattern of EGFP in Sftpc -M2rtTA; pTRE-H2BGFP mice.

Sftpc -M2rtTA mice express the reverse tetracycline-controlled transactivator (rtTA) protein under the control of the mouse surfactant, pulmonary-associated protein C (Sftpc) promoter, and expression of the target gene may be regulated by the tetracycline analog, doxycycline. This strain provides a Tet-On tool that allows the inducible expression of genes in the developing and adult lung and respiratory epithelium.