

Sftpc-IRES-rtTA

Nomenclature	C57BL/6Smoc- <i>Sftpc</i> ^{em2(Avitag-IRES-V5-M2rtTA-WPRE-polyA)Smoc}
Cat. NO.	NM-KI-18043
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Sftpc	Synonyms	SP5, SPC, SP-C, Sftp2, Bricd6, Sftp-2, pro-SpC
	NCBI ID	20389
	MGI ID	109517
	Ensembl ID	ENSMUSG00000022097
	Human Ortholog	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

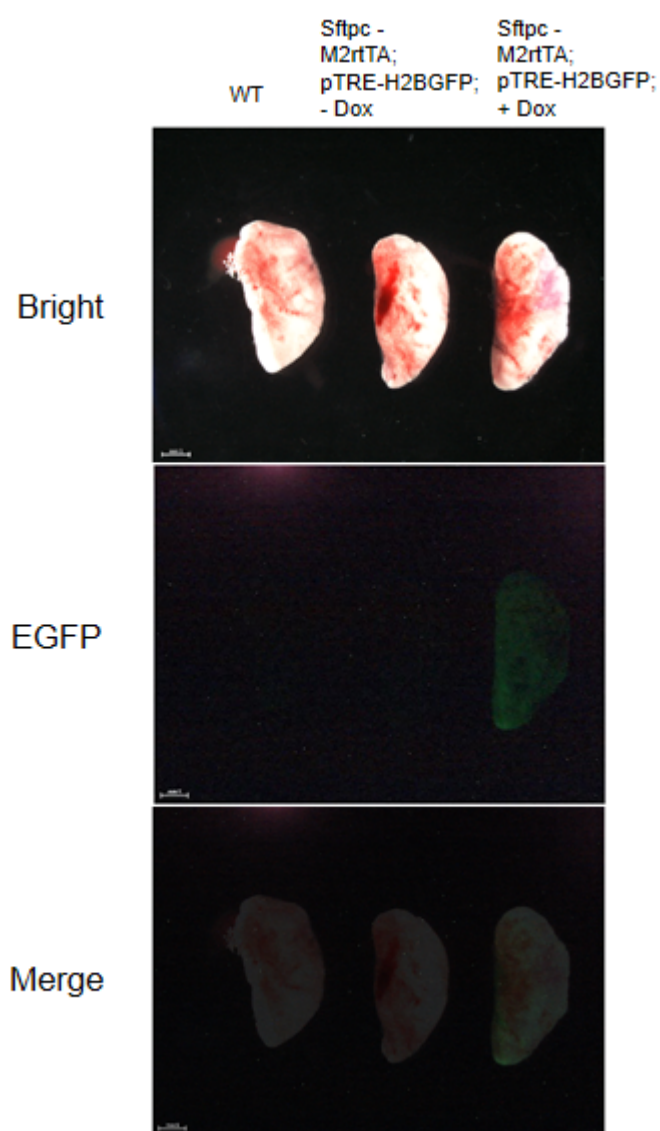


Fig1. Expression Pattern of EGFP in Sftpc -M2rtTA; pTRE-H2BGFP mice.

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.