

Fgfr3-Flox

系統名	C57BL/6Smoc- <i>Fgfr3</i> ^{em1(flox)Smoc}
SMOC番号	NM-CKO-2101148
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Fgfr3	Synonyms	FR3, Mfr3, sam3, CD333, Flg-2, HBGFR, Fgfr-3
	NCBI ID	14184
	MGI ID	95524
	Ensembl ID	ENSMUSG00000054252
	Human Ortholog	FGFR3

説明

These mice carry loxP sites flanking exon 3-7 of *Fgfr3* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Fgfr3* gene.

*Literature published using this strain should indicate: *Fgfr3*-Flox mice (Cat. NO. NM-CKO-2101148) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Lung Cancer	表現型	MGI:5141741 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Ctnnb1</i> -Flox(NM-CKO-200154) and <i>Upk2</i> -cre mice.
	参考文献	Ahmad I, Singh LB, Foth M, Morris CA, Taketo MM, Wu XR, Leung HY, Sansom OJ, Iwata T, K-Ras and {beta}-catenin mutations cooperate with <i>Fgfr3</i> mutations in mice to promote tumorigenesis in the skin and lung, but not in the bladder. <i>Dis Model Mech.</i> 2011 Jul-Aug;4(4):548-55

Thanatophoric Dysplasia	表現型	MGI:3640323 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Col2a1-cre mice.
	参考文献	Iwata T, Chen L, Li Cl, Ovchinnikov DA, Behringer RR, Francomano CA, Deng CX, A neonatal lethal mutation in FGFR3 uncouples proliferation and differentiation of growth plate chondrocytes in embryos. Hum Mol Genet. 2000 Jul 1;9(11):1603-13

表現型データ

No data