

Bmpr2-Flox

Nomenclature	C57BL/6Smoc- <i>Bmpr2</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-2100061
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Bmpr2	Synonyms	BMP-2; BRK-3; BMPR-2; BMPRII; BMPR-II; Gm20272; AL117858; AW546137; BB189135; 2610024H22Rik
	NCBI ID	12168
	MGI ID	1095407
	Ensembl ID	ENSMUSG00000067336
	Human Ortholog	BMPR2

Model Description

These mice carry loxP sites flanking exon 4-5 of Bmpr2 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Bmpr2 gene.

*Literature published using this strain should indicate: Bmpr2-Flox mice (Cat. NO. NM-CKO-2100061) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Primary Pulmonary Hypertension	Phenotype(s)	MGI:5430750 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Acvr11-cre mice.
	Reference(s)	Hong KH, Lee YJ, Lee E, Park SO, Han C, Beppu H, Li E, Raizada MK, Bloch KD, Oh SP, Genetic ablation of the BMPR2 gene in pulmonary endothelium is sufficient to predispose to pulmonary arterial hypertension. Circulation. 2008 Aug 12;118(7):722-30

Validation Data

No data
