

Pdgfrb-Flox

Nomenclature	C57BL/6Smoc- <i>Pdgfrb</i> ^{tm1(flox)Smoc}
Cat. NO.	NM-CKO-200204
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Pdgfrb	Synonyms	Pdgfr, CD140b, PDGFR-1, AI528809
	NCBI ID	18596
	MGI ID	97531
	Ensembl ID	ENSMUSG00000024620
	Human Ortholog	PDGFRB

Model Description

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

Research Application: RET signal transduction and B cell receptor (BCR) downstream signal transduction events related research

*Literature published using this strain should indicate: *Pdgfrb*-Flox mice (Cat. NO. NM-CKO-200204) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autism Spectrum Disorder	Phenotype(s)	MGI:5790635 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nes-cre mice.
	Reference(s)	Nakamura T, Matsumoto J, Takamura Y, Ishii Y, Sasahara M, Ono T, Nishijo H, Relationships among parvalbumin-immunoreactive neuron density, phase-locked gamma oscillations, and autistic/schizophrenic symptoms in PDGFR-beta knock-out and control mice. PLoS One. 2015;10(3):e0119258

Validation Data

No data