

Psen2-Flox

Nomenclature	C57BL/6Smoc- <i>Psen2</i> ^{em1(flox)Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Psen2	Synonyms	PS2, Ad4h, Alg3, PS-2, STM2, ALG-3, Psnl2
	NCBI ID	19165
	MGI ID	109284
	Ensembl ID	ENSMUSG00000010609
	Human Ortholog	PSEN2

Model Description

These mice carry loxP sites flanking target exons of Psen2 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Psen2 gene.

*Literature published using this strain should indicate: Psen2-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Alzheimer's Disease	Phenotype(s)	MGI:5754385 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Psen1-Flox(NM-CKO-2101423) and Camk2a-cre mice.
	Reference(s)	Xia D, Watanabe H, Wu B, Lee SH, Li Y, Tsvetkov E, Bolshakov VY, Shen J, Kelleher RJ 3rd, Presenilin-1 Knockin Mice Reveal Loss-of-Function Mechanism for Familial Alzheimer's Disease. Neuron. 2015 Mar 4;85(5):967-81

Alzheimer's Disease 4	Phenotype(s)	MGI:3045186 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Psen1-Flox(NM-CKO-2101423) and Camk2a-cre mice.
	Reference(s)	Feng R, Wang H, Wang J, Shrom D, Zeng X, Tsien JZ, Forebrain degeneration and ventricle enlargement caused by double knockout of Alzheimer's presenilin-1 and presenilin-2. Proc Natl Acad Sci U S A. 2004 May 25;101(21):8162-7

Validation Data

No data