

Lrp1-Flox

Nomenclature	C57BL/6Smoc- <i>Lrp1</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-2101319
Strain State	Repository Live

Gene Summary

Gene Symbol Lrp1	Synonyms	Lrp; A2mr; CD91; AI316852; b2b1554Clo
	NCBI ID	16971
	MGI ID	96828
	Ensembl ID	ENSMUSG00000040249
	Human Ortholog	LRP1

Model Description

These mice carry loxP sites flanking exon 7-8 of *Lrp1* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Lrp1* gene.

*Literature published using this strain should indicate: Lrp1-Flox mice (Cat. NO. NM-CKO-2101319) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Cardiomyopathy	Phenotype(s)	MGI:6102946 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Tagln-cre mice.
	Reference(s)	Basford JE, Koch S, Anjak A, Singh VP, Krause EG, Robbins N, Weintraub NL, Hui DY, Rubinstein J, Smooth muscle LDL receptor-related protein-1 deletion induces aortic insufficiency and promotes vascular cardiomyopathy in mice. PLoS One. 2013;8(11):e82026

Alzheimer's Disease	Phenotype(s)	MGI:4943741 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Camk2a-cre mice.
	Reference(s)	Liu Q, Trotter J, Zhang J, Peters MM, Cheng H, Bao J, Han X, Weeber EJ, Bu G, Neuronal LRP1 knockout in adult mice leads to impaired brain lipid metabolism and progressive, age-dependent synapse loss and neurodegeneration. J Neurosci. 2010 Dec 15;30(50):17068-78

Validation Data

No data