

Ldlr-KO(2)

Nomenclature	C57BL/6Smoc- <i>Ldlr</i> ^{em1Smoc}
Cat. NO.	NM-KO-210198
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Ldlr	Synonyms	Hlb301
	NCBI ID	16835
	MGI ID	96765
	Ensembl ID	ENSMUSG00000032193
	Human Ortholog	LDLR

Model Description

Ldlr-KO(2) mice (Stock No. NM-KO-210198) carry a knockout allele derived from the targeted deletion of exon 4. While Ldlr-KO mice (Stock No. NM-KO-190559) carrying the exon 6-10 deletion. *Literature published using this strain should indicate: Ldlr-KO(2) mice (Cat. NO. NM-KO-210198) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

familial hypercholesterolemia	Phenotype(s)	MGI:3691620
	Reference(s)	Jones C, Hammer RE, Li WP, Cohen JC, Hobbs HH, Herz J, Normal sorting but defective endocytosis of the low density lipoprotein receptor in mice with autosomal recessive hypercholesterolemia. J Biol Chem. 2003 Aug 1;278(31):29024-30

Fatty Liver Disease	Phenotype(s)	MGI:3611043
	Reference(s)	Subramanian S, Goodspeed L, Wang S, Kim J, Zeng L, Ioannou GN, Haigh WG, Yeh MM, Kowdley KV, O'Brien KD, Pennathur S, Chait A, Dietary cholesterol exacerbates hepatic steatosis and inflammation in obese LDL receptor-deficient mice. J Lipid Res. 2011 Sep;52(9):1626-35

Validation Data

No data