

Cyp19A1-KO

Nomenclature	C57BL/6Smoc- <i>Cyp19A1</i> ^{em1Smoc}
Cat. NO.	NM-KO-2102244
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Cyp19a1	Synonyms	Ar; ArKO; Int5; Cyp19; Int-5; p450arom
	NCBI ID	13075
	MGI ID	88587
	Ensembl ID	ENSMUSG00000032274
	Human Ortholog	CYP19A1

Model Description

Exon 2 of Cyp19a1 gene was deleted to generate Cyp19a1 knockout mice.

*Literature published using this strain should indicate: Cyp19A1-KO mice (Cat. NO. NM-KO-2102244) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Abdominal Obesity-Metabolic Syndrome	Phenotype(s)	MGI:5428435 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Apoe-KO(2)(NM-KO-190565) mice.
	Reference(s)	Scott NJ, Cameron VA, Raudsepp S, Lewis LK, Simpson ER, Richards AM, Ellmers LJ, Generation and characterization of a mouse model of the metabolic syndrome: apolipoprotein E and aromatase double knockout mice. Am J Physiol Endocrinol Metab. 2012 Mar;302(5):E576-84

Sjogren's Syndrome	Phenotype(s)	MGI:2450128
	Reference(s)	Shim GJ, Warner M, Kim HJ, Andersson S, Liu L, Ekman J, Imamov O, Jones ME, Simpson ER, Gustafsson JA, Aromatase-deficient mice spontaneously develop a lymphoproliferative autoimmune disease resembling Sjogren's syndrome. Proc Natl Acad Sci U S A. 2004 Aug 24;101(34):12628-33

Validation Data

No data