

Ppargc1a-KO

Nomenclature	C57BL/6Smoc- <i>Ppargc1a</i> ^{emSmoc}
Cat. NO.	NM-KO-210177
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Ppargc1a	Synonyms	Pgc1, PGC-1, Pgco1, Gm11133, Ppargc1, Pgc-1alpha, A830037 N07Rik, PPARGC-1-alpha
	NCBI ID	19017
	MGI ID	1342774
	Ensembl ID	ENSMUSG00000029167
	Human Ortholog	PPARGC1A

Model Description

exon 3-5 of Ppargc1a gene was deleted to generate Ppargc1a knockout mice.

*Literature published using this strain should indicate: Ppargc1a-KO mice (Cat. NO. NM-KO-210177) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Age Related Macular Degeneration	Phenotype(s)	MGI:6389045
	Reference(s)	Zhang M, Chu Y, Mowery J, Konkel B, Galli S, Theos AC, Golestaneh N, Pgc-1alpha repression and high-fat diet induce age-related macular degeneration-like phenotypes in mice. Dis Model Mech. 2018 Aug 16;11(9):dmm032698

Parkinson's Disease	Phenotype(s)	MGI:6489606
	Reference(s)	Sun Z, Ma X, Yang H, Chen S, He S, Sun R, Lu H, Zhang J, Characterization of Age-dependent Behavior Deficits in the PGC-1alpha Knockout Mouse, in Relevance to the Parkinson's Disease Model. Neuroscience. 2020 Aug 1;440:39-47

Validation Data

No data