

Irs1-KO

Nomenclature	C57BL/6Smoc- <i>Irs1</i> ^{em1Smoc}
Cat. NO.	NM-KO-190827
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Irs1	Synonyms	G972R, IRS-1
	NCBI ID	16367
	MGI ID	99454
	Ensembl ID	ENSMUSG00000055980
	Human Ortholog	IRS1

Model Description

Exon 1 of Irs1 gene was deleted to generate Irs1 knockout mice.

Research Application: diabetes related

*Literature published using this strain should indicate: Irs1-KO mice (Cat. NO. NM-KO-190827) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Type 2 Diabetes Mellitus	Phenotype(s)	MGI:2174965
	Reference(s)	Tamemoto H, Kadowaki T, Tobe K, Yagi T, Sakura H, Hayakawa T, Terauchi Y, Ueki K, Kaburagi Y, Satoh S, Sekihara H, Yoshioka S, Horikoshi H, Furuta Y, Ikawa Y, Kasuga M, Yazaki Y, Aizawa S, Insulin resistance and growth retardation in mice lacking insulin receptor substrate-1 [see comments]. Nature. 1994 Nov 10;372(6502):182-6

Validation Data

No data

