

Tyk2-KO

Nomenclature	C57BL/6Smoc- <i>Tyk2</i> ^{em1Smoc}
Cat. NO.	NM-KO-201976
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Tyk2	Synonyms	JTK1
	NCBI ID	54721
	MGI ID	1929470
	Ensembl ID	ENSMUSG00000032175
	Human Ortholog	TYK2

Model Description

Exon 4 of *Tyk2* gene was deleted to generate *Tyk2* knockout mice.

*Literature published using this strain should indicate: *Tyk2*-KO mice (Cat. NO. NM-KO-201976) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Obesity	Phenotype(s)	MGI:5515728
	Reference(s)	Derecka M, Gornicka A, Koralov SB, Szczepanek K, Morgan M, Raje V, Sisler J, Zhang Q, Otero D, Cichy J, Rajewsky K, Shimoda K, Poli V, Strobl B, Pellegrini S, Harris TE, Seale P, Russell AP, McAinch AJ, O'Brien PE, Keller SR, Croniger CM, Kordula T, Larner AC, <i>Tyk2</i> and <i>Stat3</i> regulate brown adipose tissue differentiation and obesity. <i>Cell Metab.</i> 2012 Dec 5;16(6):814-24

Validation Data

No data

