

Csf2-KO

Nomenclature	C57BL/6Smoc- <i>Csf2</i> ^{em2Smoc}
Cat. NO.	NM-KO-190532
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Csf2	Synonyms	Csfgm, GMCSF, Gm-CSf, MGI-IGM
	NCBI ID	12981
	MGI ID	1339752
	Ensembl ID	ENSMUSG00000018916
	Human Ortholog	CSF2

Model Description

Exon 1-3 of Csf2 gene was deleted to generate Csf2 knockout mice.

Research Application: Growth Factors, NF-KB pathway, Allergy and Asthma,

*Literature published using this strain should indicate: Csf2-KO mice (Cat. NO. NM-KO-190532) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Systemic Lupus Erythematosus	Phenotype(s)	MGI:3586342 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with IL3-KO(NM-KO-190498) mice.
	Reference(s)	Enzler T, Gillesen S, Manis JP, Ferguson D, Fleming J, Alt FW, Mihm M, Dranoff G, Deficiencies of GM-CSF and interferon gamma link inflammation and cancer. J Exp Med. 2003 May 5;197(9):1213-9

Pulmonary Alveolar Proteinosis	Phenotype(s)	MGI:2652689
	Reference(s)	Stanley E, Lieschke GJ, Grail D, Metcalf D, Hodgson G, Gall JA, Maher DW, Cebon J, Sinickas V, Dunn AR, Granulocyte/macrophage colony-stimulating factor-deficient mice show no major perturbation of hematopoiesis but develop a characteristic pulmonary pathology. Proc Natl Acad Sci U S A. 1994 Jun 7;91(12):5592-6

Validation Data

No data