

Vegfa-KO

品系全名	C57BL/6Smoc- <i>Vegfa</i> ^{em1Smoc}
目录号	NM-KO-190539
品系状态	胚胎冻存

基因信息

基因名 Vegfa	基因曾用名	Vpf; Vegf
	NCBI ID	22339
	MGI ID	103178
	Ensembl ID	ENSMUSG00000023951
	人类同源基因	VEGFA

品系描述

敲除Vegfa基因exon 1-6，建立Vegfa基因敲除小鼠模型。曾有基因修饰致死报导，详情点击基因信息中的MGI ID。

应用领域：生长因子，糖尿病研究相关

*使用本品系发表的文献需注明: Vegfa-KO mice (Cat. NO. NM-KO-190539) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

肌萎缩侧索硬化1型 Amyotrophic Lateral Sclerosis Type 1	近似模型的表型	MGI:3796444
	参考文献	Oosthuyse B, Moons L, Storkebaum E, Beck H, Nuyens D, Brusselmans K, Van Dorpe J, Hellings P, Gorselink M, Heymans S, Theilmeier G, Dewerchin M, Laudenbach V, Vermeylen P, Raat H, Acker T, Vleminckx V, Van Den Bosch L, Cashman N, Fujisawa H, Drost MR, Sciot R, Bruyninckx F, Hicklin DJ, Ince C, Gressens P, Lupu F, Plate KH, Robberecht W, Herbert JM, Collen D, Carmeliet P, Deletion of the hypoxia-response element in the vascular endothelial growth factor promoter causes motor neuron degeneration. Nat Genet. 2001 Jun;28(2):131-8

新生儿呼吸窘迫综合征 Newborn Respiratory Distress Syndrome	近似模型的表型	MGI:3047228
	参考文献	Compernelle V, Brusselmans K, Acker T, Hoet P, Tjwa M, Beck H, Plaisance S, Dor Y, Keshet E, Lupu F, Nemery B, Dewerchin M, Van Veldhoven P, Plate K, Moons L, Collen D, Carmeliet P, Loss of HIF-2alpha and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. Nat Med. 2002 Jul;8(7):702-10

验证数据

暂无数据