

Gjb1-KO

品系全名	C57BL/6Smoc- <i>Gjb1</i> ^{em1Smoc}
目录号	NM-KO-241473
品系状态	精子冻存

基因信息

基因名 Gjb1	基因曾用名	Cx32; Cnx32; connexin-32
	染色体位置	X
	NCBI ID	14618
	MGI ID	95719
	Ensembl ID	ENSMUSG00000047797
	人类同源基因	GJB1

品系描述

通过敲除Gjb1基因exon 2, 建立Gjb1基因敲除小鼠模型。

*使用本品系发表的文献需注明: Gjb1-KO mice (Cat. NO. NM-KO-241473) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

Charcot-Marie-Tooth 病 X 连锁显性 1 Charcot-Marie-Tooth Disease X-Linked Dominant 1	近似模型的表型	MGI:2176912
	参考文献	Nelles E, Butzler C, Jung D, Temme A, Gabriel HD, Dahl U, Traub O, Stumpel F, Jungermann K, Zielasek J, Toyka KV, Dermietzel R, Willecke K, Defective propagation of signals generated by sympathetic nerve stimulation in the liver of connexin32-deficient mice. Proc Natl Acad Sci U S A. 1996 Sep 3;93(18):9565-70

低髓性脑白质营养不良2 Hypomyelinating Leukodystrophy 2	近似模型的表型 MGI:2669721 注：该品系需与Gjc2-KO(NM-KO-201607)交配才可能获得预期表型
	参考文献 Schiza N, Sargiannidou I, Kagiava A, Karaiskos C, Nearchou M, Kleopa KA, Transgenic replacement of Cx32 in gap junction-deficient oligodendrocytes rescues the phenotype of a hypomyelinating leukodystrophy model. Hum Mol Genet. 2015 Apr 1;24(7):2049-64
低髓性脑白质营养不良2 Hypomyelinating Leukodystrophy 2	近似模型的表型 MGI:5688778 注：该品系需与Gjc2-KO(NM-KO-201607)交配才可能获得预期表型
	参考文献 Schiza N, Sargiannidou I, Kagiava A, Karaiskos C, Nearchou M, Kleopa KA, Transgenic replacement of Cx32 in gap junction-deficient oligodendrocytes rescues the phenotype of a hypomyelinating leukodystrophy model. Hum Mol Genet. 2015 Apr 1;24(7):2049-64

验证数据

暂无数据