Plp1-KO

品系全名	C57BL/6Smoc-*Plp1*^{em1Smoc}
目录号	NM-KO-205007
品系状态	胚胎冻存

基因信息

基因名 **Plp1**	**基因曾用名**	jp，Plp，msd，rsh，DM20，jimpy
	NCBI ID	18823
	MGI ID	97623
	Ensembl ID	ENSMUSG00000031425
	基因标记细胞类型举例	大脑少突胶质细胞、大脑嗅鞘胶质细胞
	人类同源基因	PLP1
	人类同源基因关联疾病	Pelizaeus-Merzbacher病、痉挛性截瘫

品系描述

敲除Plp1基因exon 3，建立Plp1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。
*使用本品系发表的文献需注明: Plp1-KO mice (Cat. NO. NM-KO-205007) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

Pelizaeus-Merzbacher 病 Pelizaeus-Merzbacher Disease	**近似模型的表型**	MGI:3838180
	参考文献	Garbern JY, Yool DA, Moore GJ, Wilds IB, Faulk MW, Klugmann M, Nave KA, Sistermans EA, van der Knaap MS, Bird TD, Shy ME, Kamholz JA, Griffiths IR, Patients lacking the major CNS myelin protein, proteolipid protein 1, develop length-dependent axonal degeneration in the absence of demyelination and inflammation. Brain. 2002 Mar;125(Pt 3):551-61
遗传性痉挛性截瘫2 Hereditary Spastic Paraplegia 2	**近似模型的表型**	MGI:3620242
	参考文献	Griffiths I, Klugmann M, Anderson T, Yool D, Thomson C, Schwab MH , Schneider A , Zimmermann F , McCulloch M , Nadon N , Nave KA, Axonal swellings and degeneration in mice lacking the major proteolipid of myelin. Science. 1998 Jun 5;280(5369):1610-3

验证数据

暂无数据