

Cep290-KO

品系全名	C57BL/6Smoc- <i>Cep290</i> ^{em1Smoc}
目录号	NM-KO-200923
品系状态	胚胎冻存

基因信息

基因名 Cep290	基因曾用名	Nphp6; BC004690; b2b1454Clo; b2b1752Clo
	染色体位置	10
	NCBI ID	216274
	MGI ID	2384917
	Ensembl ID	ENSMUSG00000019971
	人类同源基因	CEP290

品系描述

敲除Cep290基因exon 4，建立Cep290基因敲除小鼠模型。

*使用本品系发表的文献需注明: Cep290-KO mice (Cat. NO. NM-KO-200923) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

Joubert 综合征 5 Joubert Syndrome 5	近似模型的表型	MGI:5007766
	参考文献	Lancaster MA, Gopal DJ, Kim J, Saleem SN, Silhavy JL, Louie CM, Thacker BE, Williams Y, Zaki MS, Gleeson JG, Defective Wnt-dependent cerebellar midline fusion in a mouse model of Joubert syndrome. Nat Med. 2011 Jun;17(6):726-31

莱伯先天性黑蒙 10 Leber Congenital Amaurosis 10	近似模型的表型	MGI:5557980 注：该品系需与Nrl-KO(NM-KO-2105394)交配才可能获得预期表型
	参考文献	Cideciyan AV, Rachel RA, Aleman TS, Swider M, Schwartz SB, Sumaroka A, Roman AJ, Stone EM, Jacobson SG, Swaroop A, Cone photoreceptors are the main targets for gene therapy of NPHP5 (IQCB1) or NPHP6 (CEP290) blindness: generation of an all-cone Nphp6 hypomorph mouse that mimics the human retinal ciliopathy. Hum Mol Genet. 2011 Apr 1;20(7):1411-23

验证数据

暂无数据