Plp1-KO

Nomenclature	C57BL/6Smoc-*Plp1*^{em1Smoc}
Cat. NO.	NM-KO-205007
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **Plp1**	**Synonyms**	jp, Plp, msd, rsh, DM20, jimpy
	NCBI ID	18823
	MGI ID	97623
	Ensembl ID	ENSMUSG00000031425
	Human Ortholog	PLP1

Model Description

Exon 3 of Plp1 gene was deleted to generate Plp1 knockout mice.
*Literature published using this strain should indicate: Plp1-KO mice (Cat. NO. NM-KO-205007) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

hereditary spastic paraplegia 2	**Phenotype(s)**	MGI:3620242
	Reference(s)	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

Pelizaeus-Merzbacher Disease	**Phenotype(s)**	MGI:3838180
	Reference(s)	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

Validation Data

No data