

Plp1-Flox

Nomenclature	C57BL/6Smoc- <i>Plp1</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200072
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

These mice carry loxP sites flanking exon 3 of Plp1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Plp1 gene.

Research Application: The study of glial cell differentiation and the susceptibility pathway of sudden infant death syndrome (SIDS)

*Literature published using this strain should indicate: Plp1-Flox mice (Cat. NO. NM-CKO-200072) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Hereditary Spastic Paraplegia 2	Phenotype(s)	MGI:6160757 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Cnp-Cre mice.
	Reference(s)	Luders KA, Patzig J, Simons M, Nave KA, Werner HB, Genetic dissection of oligodendroglial and neuronal Plp1 function in a novel mouse model of spastic paraplegia type 2. Glia. 2017 Nov;65(11):1762-1776

Validation Data

No data
