

Postn-KO

Nomenclature	C57BL/6Smoc- <i>Postn</i> ^{em1Smoc}
Cat. NO.	NM-KO-200689
Strain State	Repository Live

Gene Summary

Gene Symbol	Synonyms	PN, PLF, Osf2, OSF-2, AI747096, A630052E07Rik
	NCBI ID	50706
	MGI ID	1926321
	Ensembl ID	ENSMUSG00000027750
	Human Ortholog	POSTN

Model Description

Exon 3 of Postn gene was deleted to generate Postn knockout mice.

Research Application: Primrose syndrome and 3q13.31 microdeletion syndrome related

*Literature published using this strain should indicate: Postn-KO mice (Cat. NO. NM-KO-200689) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Aggressive Periodontitis	Phenotype(s)	MGI:3629331
	Reference(s)	Rios H, Koushik SV, Wang H, Wang J, Zhou HM, Lindsley A, Rogers R, Chen Z, Maeda M, Kruzynska-Frejtak A, Feng JQ, Conway SJ, periostin null mice exhibit dwarfism, incisor enamel defects, and an early-onset periodontal disease-like phenotype. Mol Cell Biol. 2005 Dec;25(24):11131-44
Bone Structure Disease	Phenotype(s)	MGI:5511052
	Reference(s)	Bonnet N, Lesclous P, Saffar JL, Ferrari S, Zoledronate effects on systemic and jaw osteopenias in ovariectomized periostin-deficient mice. PLoS One. 2013;8(3):e58726

Validation Data

No data
