

Dmp1-KO

Nomenclature	C57BL/6Smoc- <i>Dmp1</i> ^{em1Smoc}
Cat. NO.	NM-KO-200634
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Dmp1	Synonyms	PP, AG1, Dmp, DMP-1, AV020965
	NCBI ID	13406
	MGI ID	94910
	Ensembl ID	ENSMUSG00000029307
	Human Ortholog	DMP1

Model Description

Exon 4-6 of Dmp1 gene was deleted to generate Dmp1 knockout mice.

Research Application: Research on the degradation of ECM proteoglycans and extracellular matrix

*Literature published using this strain should indicate: Dmp1-KO mice (Cat. NO. NM-KO-200634) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autosomal Recessive Hypophosphatemic Rickets	Phenotype(s)	MGI:5694692
	Reference(s)	Zhang R, Lu Y, Ye L, Yuan B, Yu S, Qin C, Xie Y, Gao T, Drezner MK, Bonewald LF, Feng JQ, Unique roles of phosphorus in endochondral bone formation and osteocyte maturation. J Bone Miner Res. 2011 May;26(5):1047-56

Validation Data

No data

