

# Dmp1-KO

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

## Gene Summary

<b>Gene Symbol</b> Dmp1	<b>Synonyms</b>	PP, AG1, Dmp, DMP-1, AV020965
	<b>NCBI ID</b>	<a href="#">13406</a>
	<b>MGI ID</b>	<a href="#">94910</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000029307</a>
	<b>Human Ortholog</b>	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

<b>Autosomal Recessive Hypophosphatemic Rickets</b>	<b>Phenotype(s)</b>	<a href="#">MGI:5694692</a>
	<b>Reference(s)</b>	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

