

Dmpk-KO

Nomenclature	C57BL/6Smoc- <i>Dmpk</i> ^{em1Smoc}
Cat. NO.	NM-KO-200635
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Dmpk	Synonyms	DM; DMK; Dm15; MDPK; MT-PK
	NCBI ID	13400
	MGI ID	94906
	Ensembl ID	ENSMUSG00000030409
	Human Ortholog	DMPK

Model Description

Exon 1-7 of Dmpk gene was deleted to generate Dmpk knockout mice.

Research Application: Cardiac conduction and G protein signal transduction RAC1 in cellular processes

*Literature published using this strain should indicate: Dmpk-KO mice (Cat. NO. NM-KO-200635) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Myotonic Dystrophy Type 1	Phenotype(s)	MGI:3613697
	Reference(s)	Reddy S, Smith DB, Rich MM, Leferovich JM, Reilly P, Davis BM, Tran K, Rayburn H, Bronson R, Cros D, Balice-Gordon RJ, Housman D, Mice lacking the myotonic dystrophy protein kinase develop a late onset progressive myopathy [see comments]. Nat Genet. 1996 Jul;13(3):325-35

Validation Data

No data

