

# hDMPK

<b>Nomenclature</b>	C57BL/6Smoc- <i>Dmpk</i> <sup>tm1(hDMPK)Smoc</sup>
<b>Cat. NO.</b>	NM-HU-225084
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> Dmpk	<b>Synonyms</b>	DM; DMK; Dm15; MDPK; MT-PK
	<b>NCBI ID</b>	<a href="#">13400</a>
	<b>MGI ID</b>	<a href="#">94906</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000030409</a>
	<b>Human Ortholog</b>	DMPK

## Model Description

利用同源重组，将小鼠Dmpk基因进行人源化修饰。

**Research Application:** 核酸药物人源化

\*Literature published using this strain should indicate: hDMPK mice (Cat. NO. NM-HU-225084) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

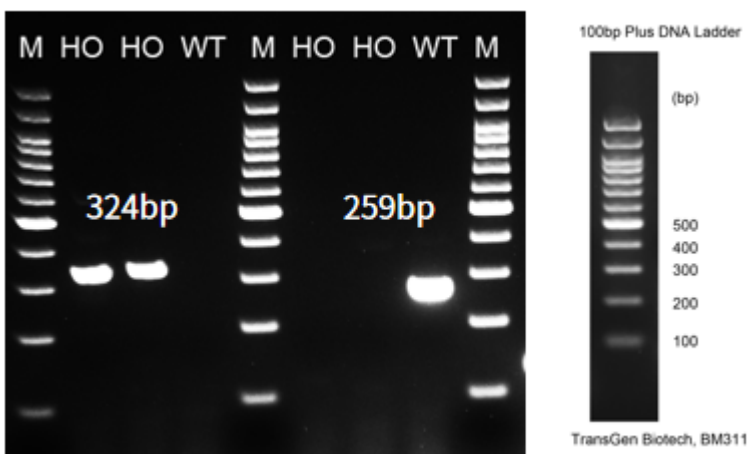


Fig.1 Detection of DMPK expression in heart by RT-PCR.

Wild type: only one band at 259 bp with primers F1/R1(mDmpk);

Homozygous: only one band at 324 bp with primers F2/R2(hDMPK).

Abbr. M, DNA marker; HO, homozygous; WT, wild type.

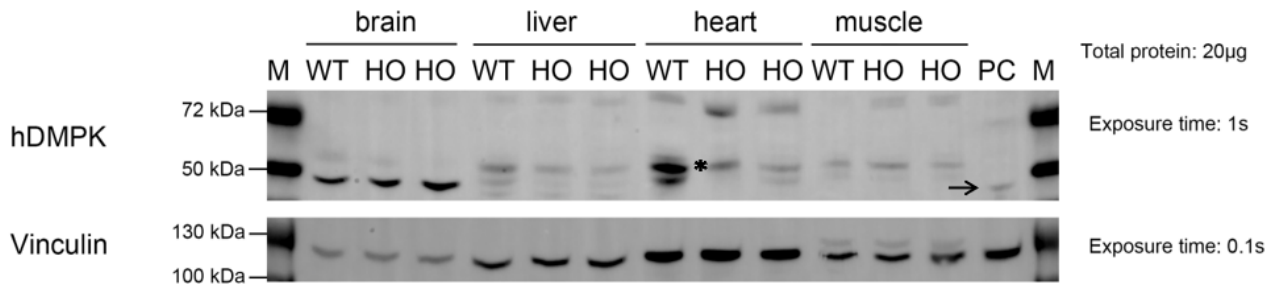


Fig.2 Detection of human DMPK expression in hDMPK knockin mice by WB.

Abbr. M, marker; WT, wild type; HO, Homozygous; PC, hela cells.

Note. The anti-human DMPK antibody cross-reacted with mouse DMPK and humanized DMPK. Arrow indicates expected molecular weight and asterisk indicates a nonspecific band.