

## KPC(2)

<b>Nomenclature</b>	C57BL/6Smoc- <i>Trp53</i> <sup>tm7(R270H-flox)</sup> <i>Kras</i> <sup>em4(LSL-G12D)</sup> Tg(Pdx1-cre)Smoc
<b>Cat. NO.</b>	NM-KI-220014
<b>Strain State</b>	Repository Live

### Gene Summary

<b>Gene Symbol</b> Trp53	<b>Synonyms</b>	bbl; bfy; bhy; p44; p53; Tp53
	<b>NCBI ID</b>	<a href="#">22059</a>
	<b>MGI ID</b>	<a href="#">98834</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000059552</a>
	<b>Human Ortholog</b>	TRP53
<b>Gene Symbol</b> Kras	<b>Synonyms</b>	Ki-ras; K-ras; Kras2; Kras-2
	<b>NCBI ID</b>	<a href="#">16653</a>
	<b>MGI ID</b>	<a href="#">96680</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000030265</a>
	<b>Human Ortholog</b>	KRAS
<b>Gene Symbol</b> pdx1	<b>Synonyms</b>	lpf1, IDX-1, IPF-1, Mody4, STF-1, pdx-1
	<b>NCBI ID</b>	<a href="#">18609</a>
	<b>MGI ID</b>	<a href="#">102851</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000029644</a>

### Model Description

Trp53-LSL-R270H (NM-KI-200186), Kras-LSL-G12D (NM-KI-190003) were crossed with Pdx1-Cre-Tg to generate KPC mice. While KPC (Stock No. NM-KI-210096) mice function similarly to KPC(2) mice, for more detailed information please contact our technical advisor.

**Research Application:** Spontaneous pancreatic tumor

\*Literature published using this strain should indicate: KPC(2) mice (Cat. NO. NM-KI-220014) were purchased from Shanghai Model Organisms Center, Inc..

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## Disease Connection

<b>pancreatic carcinoma</b>	<b>Phenotype(s)</b>	
	<b>Reference(s)</b>	Pancreatology . 2020 Jan;20(1):79-88. doi: 10.1016/j.pan.2019.11.006. Epub 2019 Nov 18.

## Validation Data

No data

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