

# Nkx3-1-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>Nkx3-1</i> <sup>em1Smoc</sup>
<b>Cat. NO.</b>	TBD
<b>Strain State</b>	Developing

## Gene Summary

<b>Gene Symbol</b> Nkx3-1	<b>Synonyms</b>	Bax, NKX3A, NKX3.1, Nkx-3.1, bagpipe
	<b>NCBI ID</b>	<a href="#">18095</a>
	<b>MGI ID</b>	<a href="#">97352</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000022061</a>
	<b>Human Ortholog</b>	NKX3-1

## Model Description

Exon 2 of Nkx3-1 gene was deleted to generate Nkx3-1 knockout mice.

\*Literature published using this strain should indicate: Nkx3-1-KO mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Prostate Cancer</b>	<b>Phenotype(s)</b>	<a href="#">MGI:5569926</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pten-KO(NM-KO-18002) mice.
	<b>Reference(s)</b>	Kim MJ, Cardiff RD, Desai N, Banach-Petrosky WA, Parsons R, Shen MM, Abate-Shen C, Cooperativity of Nkx3.1 and Pten loss of function in a mouse model of prostate carcinogenesis. Proc Natl Acad Sci U S A. 2002 Mar 5;99(5):2884-9

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<b>prostate cancer</b>	<b>Phenotype(s)</b>	<a href="#">MGI:2175150</a>
	<b>Reference(s)</b>	Schneider A, Brand T, Zweigerdt R, Arnold H, Targeted disruption of the nkx3.1 gene in mice results in morphogenetic defects of minor salivary glands: parallels to glandular duct morphogenesis in prostate. Mech Dev. 2000 Jul;95(1-2):163-74

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## Validation Data

No data

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