

Nkx3-1-KO

Nomenclature	C57BL/6Smoc- <i>Nkx3</i> -1 ^{em1Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Nkx3-1	Synonyms	Bax, NKX3A, NKX3.1, Nkx-3.1, bagpipe
	NCBI ID	18095
	MGI ID	97352
	Ensembl ID	ENSMUSG00000022061
	Human Ortholog	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

Prostate Cancer	Phenotype(s)	MGI:5569926 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pten-KO(NM-KO-18002) mice.
	Reference(s)	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

prostate cancer	Phenotype(s)	MGI:2175150
	Reference(s)	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

Validation Data

No data