

# Ace2-KO

<b>Nomenclature</b>	C57BL/6Smoc-Ace2 <sup>em1Smoc</sup>
<b>Cat. NO.</b>	NM-KO-190906
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> ACE2	<b>Synonyms</b>	ACEH
	<b>NCBI ID</b>	<a href="#">59272</a>
	<b>MGI ID</b>	Null
	<b>Ensembl ID</b>	<a href="#">ENSG00000130234</a>
	<b>Human Ortholog</b>	ACE2

## Model Description

exon 3-7 of Ace2 gene was deleted to generate Ace2 knockout mice.

**Research Application:** regulation of cardiovascular and renal function, as well as fertility , Cardiac contraction, colitis, cardiovascular and renal function, and fertility

\*Literature published using this strain should indicate: Ace2-KO mice (Cat. NO. NM-KO-190906) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Congestive Heart Failure</b>	<b>Phenotype(s)</b>	<a href="#">MGI:2661730</a>
	<b>Reference(s)</b>	Oudit GY, Kassiri Z, Patel MP, Chappell M, Butany J, Backx PH, Tsushima RG, Scholey JW, Khokha R, Penninger JM, Angiotensin II-mediated oxidative stress and inflammation mediate the age-dependent cardiomyopathy in ACE2 null mice. Cardiovasc Res. 2007 Jul 1;75(1):29-39

## Validation Data

No data

