

# Ins2-C96Y

<b>Nomenclature</b>	C57BL/6Smoc- <i>Ins2</i> <sup>em3(C96Y)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190096
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> Ins2	<b>Synonyms</b>	Mody; Ins-2; InsII; Mody4; AA986540
	<b>NCBI ID</b>	<a href="#">16334</a>
	<b>MGI ID</b>	<a href="#">96573</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000000215</a>
	<b>Human Ortholog</b>	INS2

## Model Description

These mice carry a p.C96Y mutation of Ins2 gene.

**Research Application:** Diabetes related.

\*Literature published using this strain should indicate: Ins2-C96Y mice (Cat. NO. NM-KI-190096) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Diabetes</b>	<b>Phenotype(s)</b>	<a href="#">MGI:3583904</a>
	<b>Reference(s)</b>	Yoshioka M, et al., A novel locus, Mody4, distal to D7Mit189 on chromosome 7 determines early-onset NIDDM in nonobese C57BL/6 (Akita) mutant mice. Diabetes. 1997 May;46(5):887-94

## Validation Data

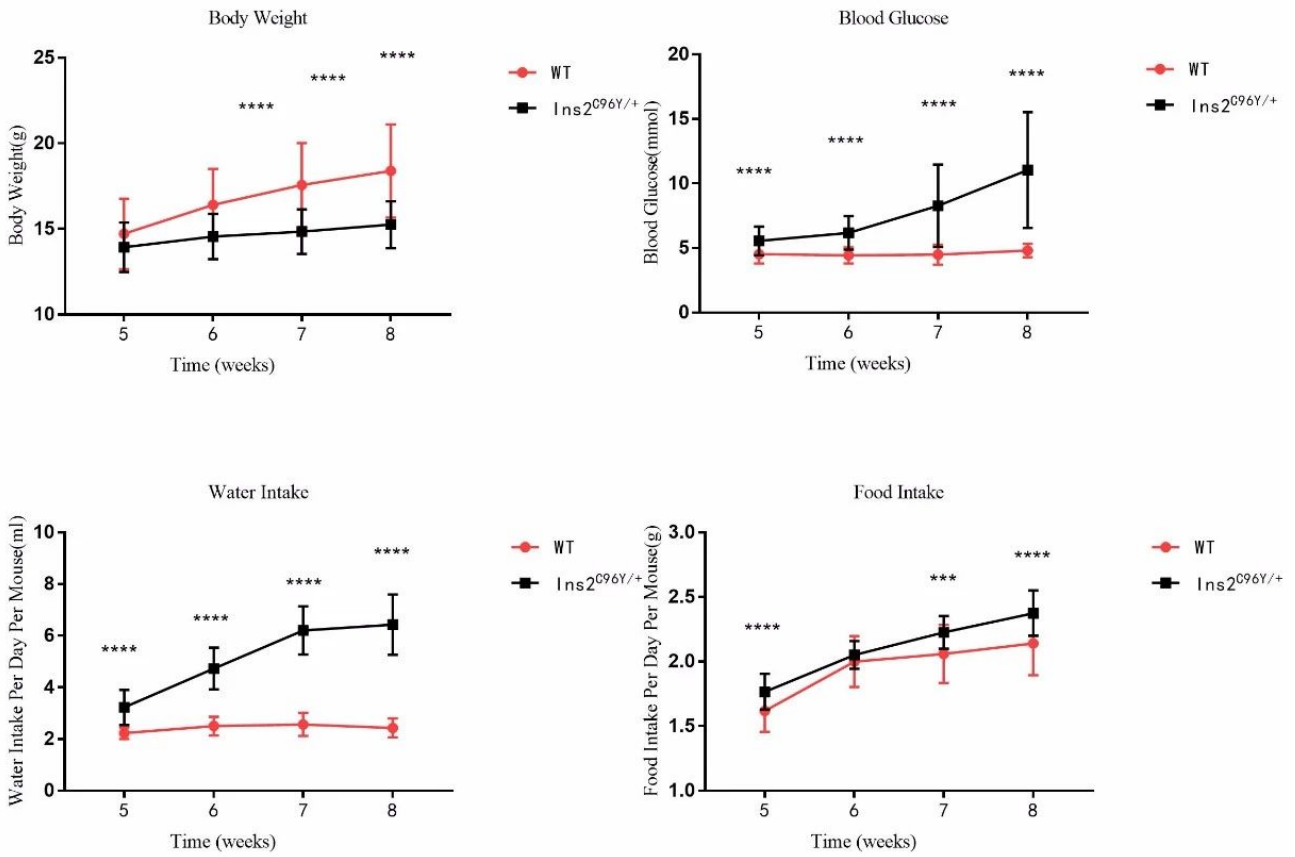


Fig.1 The Basic Symptoms of Ins2-(C96Y) Mouse Compared with Its WT Litter Mate

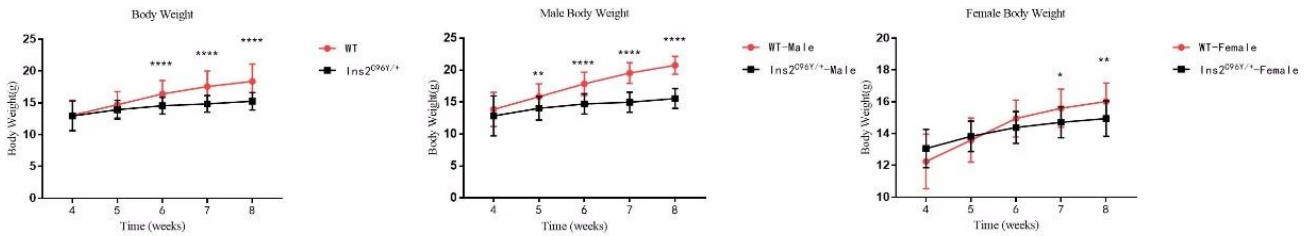


Fig.2 Body Weight of Ins2-(C96Y) Mouse Compared with Its WT Litter Mate

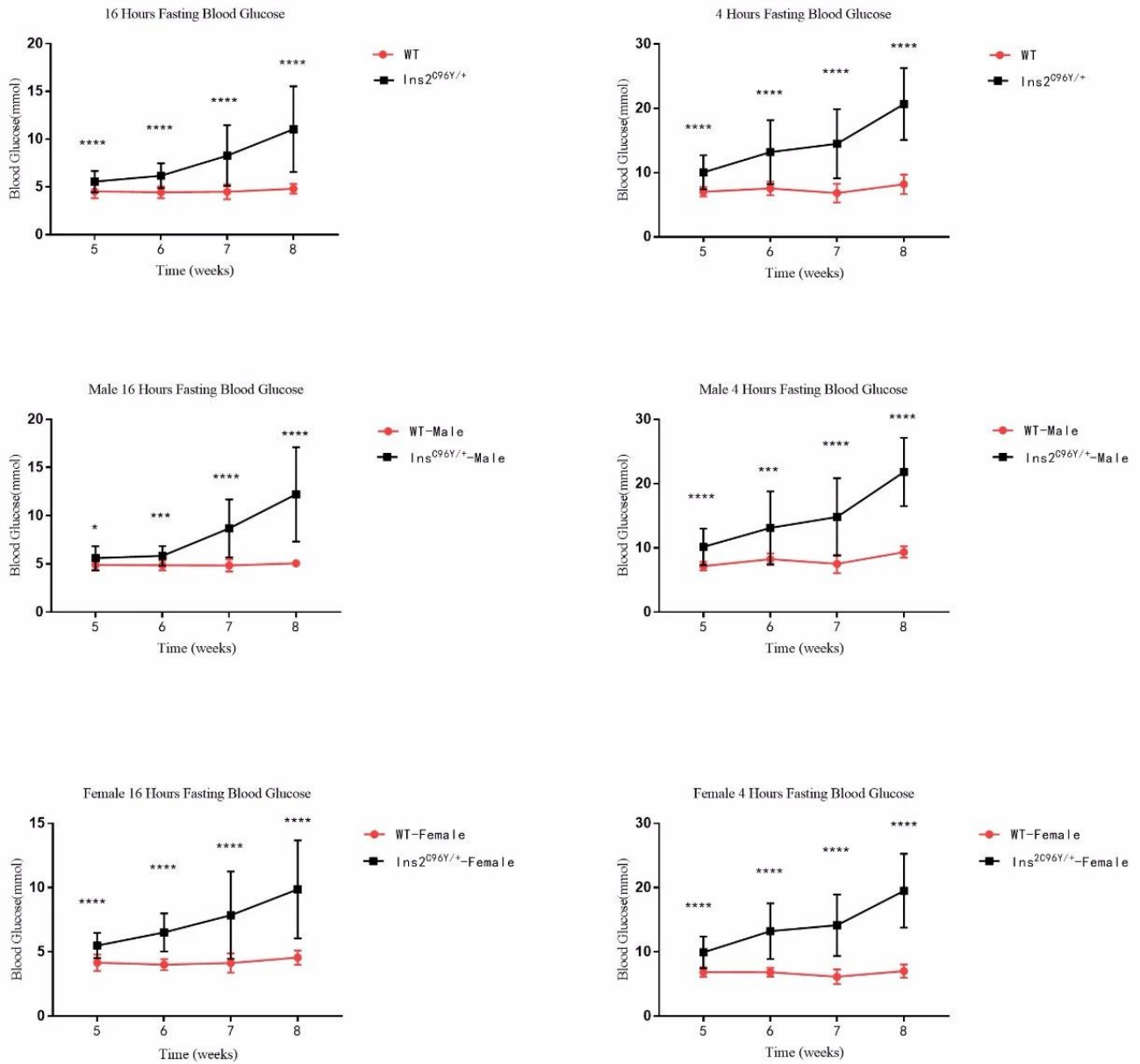


Fig.3 Blood Glucose Level of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

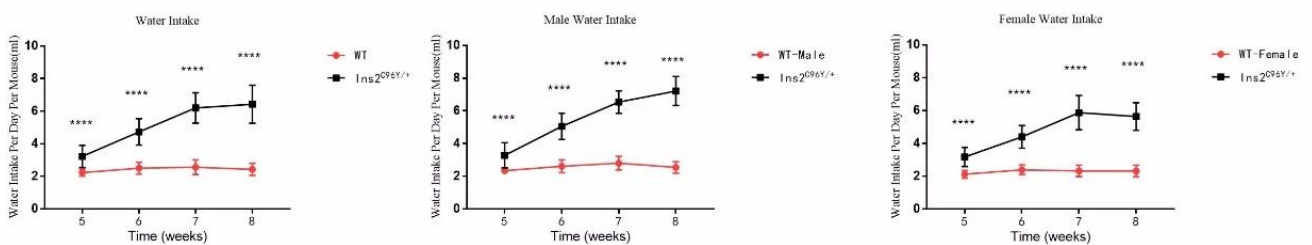


Fig.4 Water Intake of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

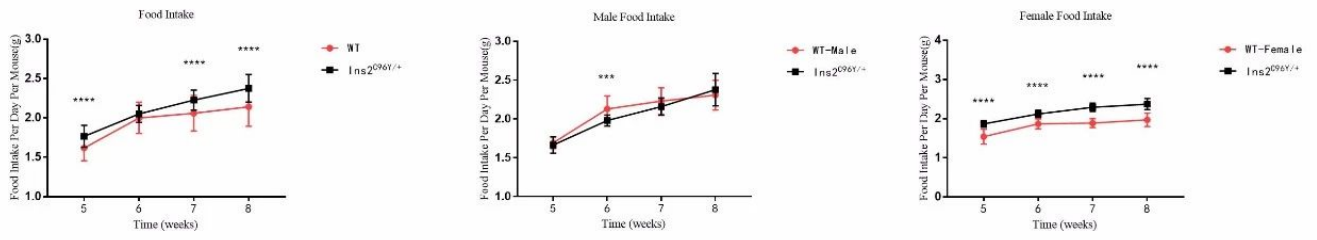


Fig.5 Food Intake of Ins2-(C96Y) Mouse Compared with Its WT Litter Mate