

# Cyb5r4-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>Cyb5r4</i> <sup>em1Smoc</sup>
<b>Cat. NO.</b>	NM-KO-200941
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> Cyb5r4	<b>Synonyms</b>	b5b5r, B5+B5R, C79736, Ncb5or, b5/b5r, Cb5cb5r, 2810034J18Rik
	<b>NCBI ID</b>	<a href="#">266690</a>
	<b>MGI ID</b>	<a href="#">2386848</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000032872</a>
	<b>Human Ortholog</b>	CYB5R4

## Model Description

Exon 3 of *Cyb5r4* gene was deleted to generate *Cyb5r4* knockout mice.

\*Literature published using this strain should indicate: *Cyb5r4*-KO mice (Cat. NO. NM-KO-200941) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Type 2 Diabetes Mellitus</b>	<b>Phenotype(s)</b>	<a href="#">MGI:3051529</a>
	<b>Reference(s)</b>	Xie J, Zhu H, Larade K, Ladoux A, Seguritan A, Chu M, Ito S, Bronson RT, Leiter EH, Zhang CY, Rosen ED, Bunn HF, Absence of a reductase, NCB5OR, causes insulin-deficient diabetes. Proc Natl Acad Sci U S A. 2004 Jul 20;101(29):10750-5

## Validation Data

No data