

# Ppp1r3a-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>Ppp1r3a</i> <sup>em1Smoc</sup>
<b>Cat. NO.</b>	NM-KO-200692
<b>Strain State</b>	Developing

## Gene Summary

<b>Gene Symbol</b> Ppp1r3a	<b>Synonyms</b>	GM, RG1, RGL
	<b>NCBI ID</b>	<a href="#">140491</a>
	<b>MGI ID</b>	<a href="#">2153588</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000042717</a>
	<b>Human Ortholog</b>	PPP1R3A

## Model Description

Exon 4 of Ppp1r3a gene was deleted to generate Ppp1r3a knockout mice.

\*Literature published using this strain should indicate: Ppp1r3a-KO mice (Cat. NO. NM-KO-200692) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Type 2 Diabetes Mellitus</b>	<b>Phenotype(s)</b>	<a href="#">MGI:2653988</a>
	<b>Reference(s)</b>	Delibegovic M, Armstrong CG, Dobbie L, Watt PW, Smith AJ, Cohen PT, Disruption of the striated muscle glycogen targeting subunit PPP1R3A of protein phosphatase 1 leads to increased weight gain, fat deposition, and development of insulin resistance. Diabetes. 2003 Mar;52(3):596-604

## Validation Data

No data