

# Gadd45gip1-Flox

<b>Nomenclature</b>	C57BL/6Smoc- <i>Gadd45gip1</i> <sup>em1(flox)Smoc</sup>
<b>Cat. NO.</b>	TBD
<b>Strain State</b>	Developing

## Gene Summary

<b>Gene Symbol</b> Gadd45gip1	<b>Synonyms</b>	Crif1, Plinp1, MRP-L59, AI425883, 2310040G17Rik
	<b>NCBI ID</b>	<a href="#">102060</a>
	<b>MGI ID</b>	<a href="#">1914947</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000033751</a>
	<b>Human Ortholog</b>	GADD45GIP1

## Model Description

These mice carry loxP sites flanking target exons of Gadd45gip1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Gadd45gip1 gene.

\*Literature published using this strain should indicate: Gadd45gip1-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Type 2 Diabetes Mellitus</b>	<b>Phenotype(s)</b>	<a href="#">MGI:5637560</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Ins2-cre mice.
	<b>Reference(s)</b>	Kim YK, Joung KH, Ryu MJ, Kim SJ, Kim H, Chung HK, Lee MH, Lee SE, Choi MJ, Chang JY, Hong HJ, Kim KS, Lee SH, Kweon GR, Kim H, Lee CH, Kim HJ, Shong M, Disruption of CR6-interacting factor-1 (CRIF1) in mouse islet beta cells leads to mitochondrial diabetes with progressive beta cell failure. Diabetologia. 2015 Apr;58(4):771-80

## Validation Data

No data

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