

Gadd45gip1-Flox

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

Gene Summary

Gene Symbol Gadd45gip1	Synonyms	Crif1, Plinp1, MRP-L59, AI425883, 2310040G17Rik
	NCBI ID	102060
	MGI ID	1914947
	Ensembl ID	ENSMUSG00000033751
	Human Ortholog	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

Type 2 Diabetes Mellitus	Phenotype(s)	MGI:5637560 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Ins2-cre mice.
	Reference(s)	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
