

Met-Flox

Nomenclature	C57BL/6Smoc- <i>Met</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200328
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Met	Synonyms	HGF, HGFR, Par4, c-Met, A1838057
	NCBI ID	17295
	MGI ID	96969
	Ensembl ID	ENSMUSG00000009376
	Human Ortholog	MET

Model Description

These mice carry loxP sites flanking exon 16 of Met gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Met gene.

*Literature published using this strain should indicate: Met-Flox mice (Cat. NO. NM-CKO-200328) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Gilles De La Tourette Syndrome	Phenotype(s)	MGI:4950068 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Mi56i-cre mice.
	Reference(s)	Martins GJ, Shahrokh M, Powell EM, Genetic disruption of Met signaling impairs GABAergic striatal development and cognition. Neuroscience. 2011 Mar 10;176:199-209

Gestational Diabetes	Phenotype(s)	MGI:5504390 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pdx1-cre mice.
	Reference(s)	Demirci C, Ernst S, Alvarez-Perez JC, Rosa T, Valle S, Shridhar V, Casinelli GP, Alonso LC, Vasavada RC, Garcia-Ocana A, Loss of HGF/c-Met signaling in pancreatic beta-cells leads to incomplete maternal beta-cell adaptation and gestational diabetes mellitus. Diabetes. 2012 May;61(5):1143-52

Validation Data

No data