Egln1-Flox

Nomenclature	C57BL/6Smoc-*Egln1*$^{em1(flox)Smoc}$
Cat. NO.	NM-CKO-2100497
Strain State	Repository Live

Gene Summary

Gene Symbol **Egln1**	**Synonyms**	Phd2; HPH-2; ORF13; SM-20; C1orf12; HIF-PH2; AI503754; Hif-p4h-2
	NCBI ID	112405
	MGI ID	1932286
	Ensembl ID	ENSMUSG00000031987
	Human Ortholog	EGLN1

Model Description

These mice carry loxP sites flanking exon 2-3 of Egln1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Egln1 gene.
*Literature published using this strain should indicate: Egln1-Flox mice (Cat. NO. NM-CKO-2100497) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Cardiomyopathy	**Phenotype(s)**	MGI:5304713 Note： The expected phenotype(s) may be observed in the above-mentioned mice that bred with Egln3-Flox(NM-CKO-2108727) and Myh6-cre mice.
	Reference(s)	Moslehi J, Minamishima YA, Shi J, Neuberg D, Charytan DM, Padera RF, Signoretti S, Liao R, Kaelin WG Jr, Loss of hypoxia-inducible factor prolyl hydroxylase activity in cardiomyocytes phenocopies ischemic cardiomyopathy. Circulation. 2010 Sep 7;122(10):1004-16

Validation Data

No data