

Egln3-Flox

Nomenclature	C57BL/6Smoc- <i>Egln3</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-2108727
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Egln3	Synonyms	Phd3, SM-20, AI505553, AI648162, Hif-p4h-3, 2610021G09Rik
	NCBI ID	112407
	MGI ID	1932288
	Ensembl ID	ENSMUSG00000035105
	Human Ortholog	EGLN3

Model Description

These mice carry loxP sites flanking exon 2-3 of Egln3 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Egln3 gene.

*Literature published using this strain should indicate: Egln3-Flox mice (Cat. NO. NM-CKO-2108727) 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 Egln1-Flox(NM-CKO-2100497) 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
