

Egln3-Flox

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

Gene Summary

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| 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

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| 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
