

Aplnr-2A-DreERT2

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| Nomenclature | C57BL/6Smoc- <i>Aplnr</i> ^{em1(2A-DreERT2)Smoc} |
| Cat. NO. | NM-KI-00132 |
| Strain State | Embryo cryopreservation |

Gene Summary

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| Gene Symbol Aplnr | Synonyms | APJ; Agtrl1; msr/apj |
| | NCBI ID | 23796 |
| | MGI ID | 1346086 |
| | Ensembl ID | ENSMUSG00000044338 |
| | Human Ortholog | APLNR |

Model Description

A 2A-DreERT2-SV40polyA coexpression cassette is inserted before the stop codon of mouse *Aplnr* gene via homologous recombination to establish a tamoxifen inducible *Aplnr*-DreERT2 tool strain. This strain can be used to knockout target gene in *Aplnr*⁺ cells after tamoxifen treatment when crossed with mice which carry lox sites flanking target gene.

Research Application: recombinase tool

*Literature published using this strain should indicate: *Aplnr*-2A-DreERT2 mice (Cat. NO. NM-KI-00132) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data

Publications

[A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting](#)

References: CELL STEM CELL