



## Col2a1-tTA Transgenic Mice

TECHNOLOGY NUMBER: 2022-034



### Technology ID

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### Category

Research Tools and Reagents  
Life Sciences

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### INNOVATION

Col2a1-tTA transgenic mice express tTA (tetracycline-controlled transactivator) from the chondrocyte-specific mouse Col2a1 (collagen, type II, alpha 1) promoter/enhancer. When combined with a tetO/TRE transgene, expression of the target gene of interest can be blocked in chondrocytes by administration of doxycycline in a "Tet-Off" system. This mouse enables functional manipulation of chondrocytes.

### ADDITIONAL DETAILS

Jackson <https://www.jax.org/strain/035969>

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