

# Ucp1-CreERT2

|                     |                                                                       |
|---------------------|-----------------------------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Ucp1</i> <sup>em1(Kozak-CreERT2-WPRE-polyA)Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KI-190102                                                          |
| <b>Strain State</b> | Repository Live                                                       |

## Gene Summary

|                            |                       |                                    |
|----------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br>Ucp1 | <b>Synonyms</b>       | Ucp; Slc25a7; AI385626             |
|                            | <b>NCBI ID</b>        | <a href="#">22227</a>              |
|                            | <b>MGI ID</b>         | <a href="#">98894</a>              |
|                            | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000031710</a> |
|                            | <b>Human Ortholog</b> | UCP1                               |

## Model Description

A Kozak-CreERT2-WPRE-polyA expression cassette was knocked into the Ucp1 gene start codon site.

**Research Application:** Cre recombinase tool

\*Literature published using this strain should indicate: Ucp1-CreERT2 mice (Cat. NO. NM-KI-190102) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

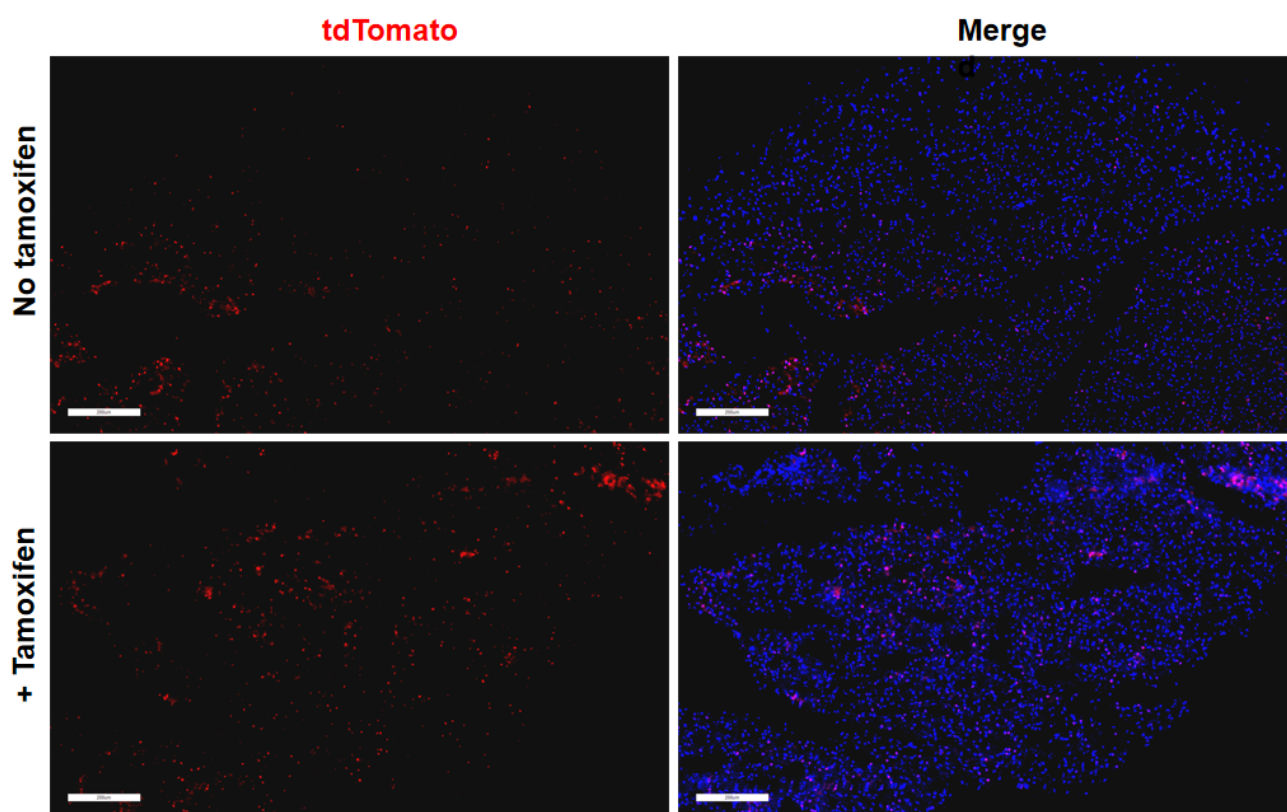


Fig1. Cre mediated recombination in brown fat of Ucp1CreERT2/+;Rosa26tdTomato/+ mouse.

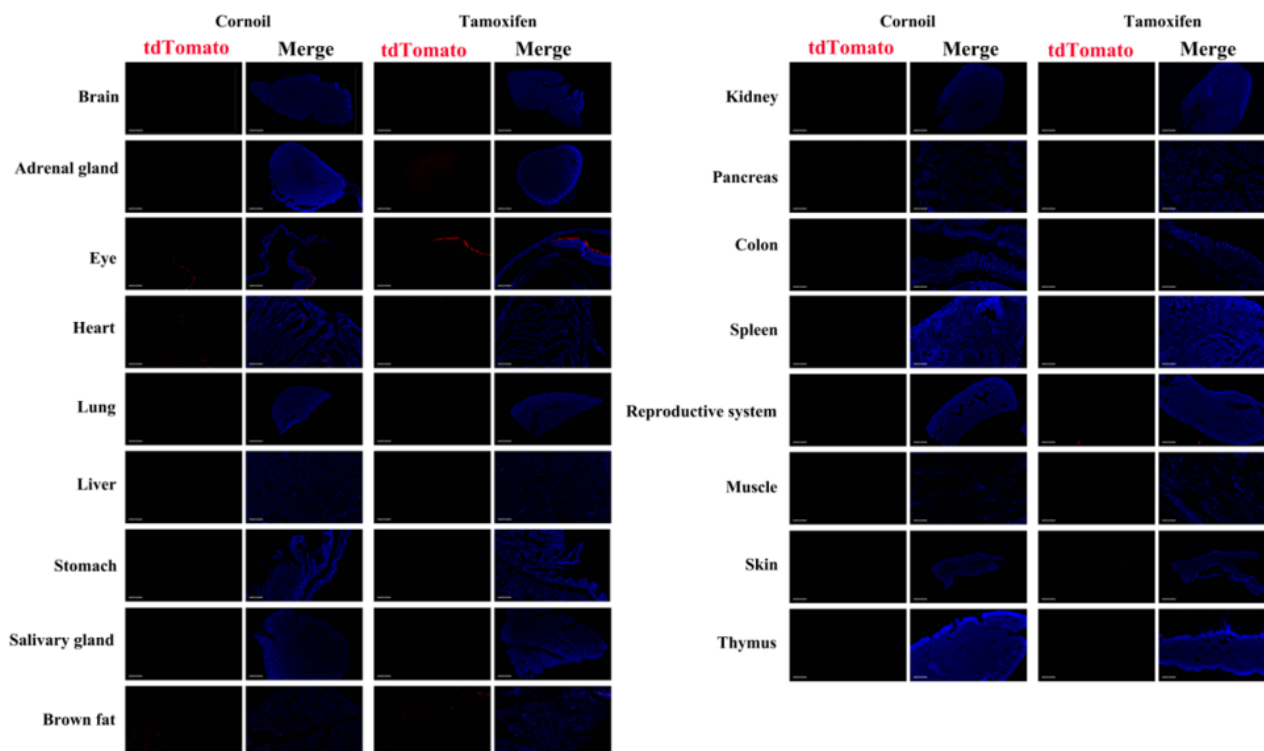


Fig2. Detection of tdTomato(red) in various tissues of Ucp1CreERT2/+;Rosa26tdTomato/+ mouse. Expression tissues include: brown fat. A few cells expressed in salivary gland and thymus. Tissues that unexpressed include brain, adrenal gland, retina, heart, lung, liver, stomach, kidney, pancreas, colon, spleen, uterus, muscle, and skin. (9-

week old, female) (For more detailed information please contact our technical advisor.)

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