

# Slc17a6-CreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Slc17a6</i> <sup>em2(CreERT2)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190011
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> Slc17a6	<b>Synonyms</b>	DNPI; VGLUT2; 2900073D12Rik
	<b>NCBI ID</b>	<a href="#">140919</a>
	<b>MGI ID</b>	<a href="#">2156052</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000030500</a>
	<b>Human Ortholog</b>	SLC17A6

## Model Description

This tamoxifen-inducible Slc17a6-CreERT2 tool mouse model was established by inserting a 2A-CreERT2-WPRE-polyA co-expression cassette into the stop codon of Slc17a6 gene.

**Research Application:** Tool Mice

\*Literature published using this strain should indicate: Slc17a6-CreERT2 mice (Cat. NO. NM-KI-190011) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

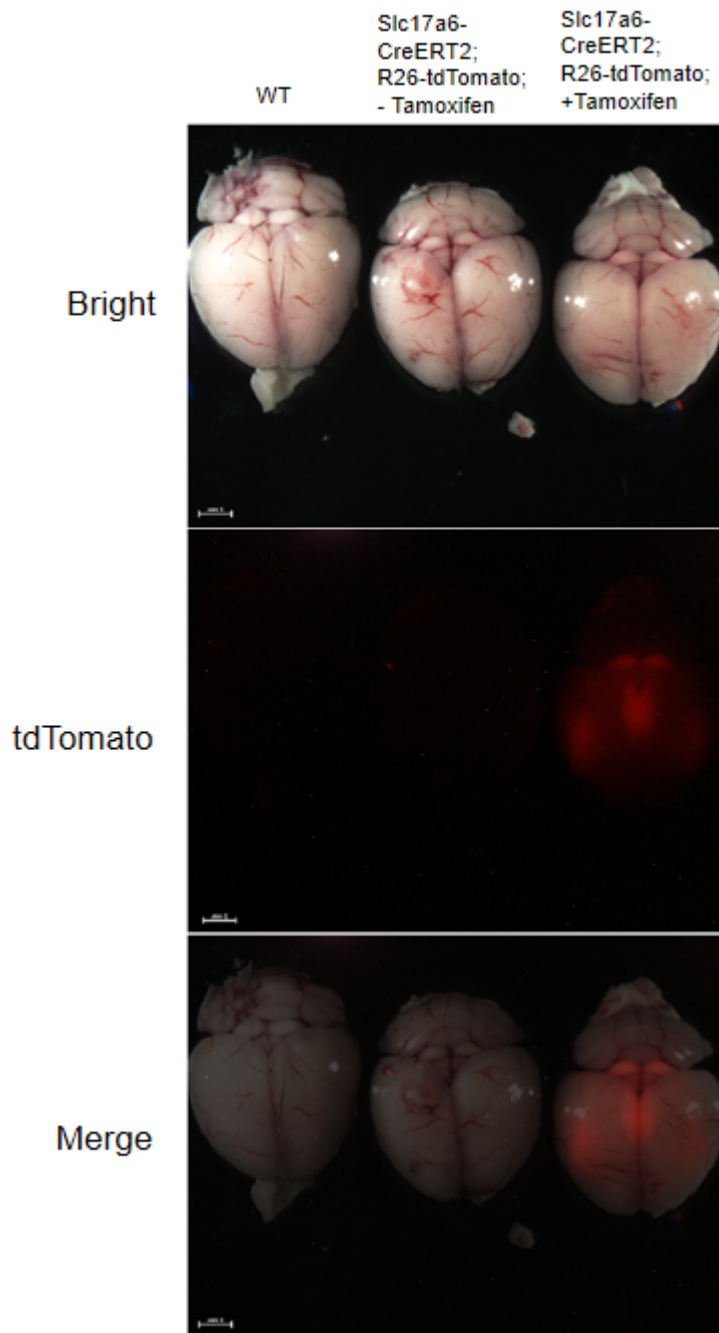


Fig1. Expression Pattern of Tomato in Slc17a6-CreERT2 +/-;R26- tdTomato+/- mice.

CreERT2-mediated recombination in excitatory glutamatergic neuron cell bodies of Slc17a6-CreERT2+/-; R26-tdTomato+/- mice. Slc17a6-CreERT2 mice may be used to generate conditional mutations for studying gain-or-loss of function and/or fate mapping related to glutamatergic neurons.