

Slc17a6-CreERT2

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

Gene Summary

Gene Symbol Slc17a6	Synonyms	DNPI; VGLUT2; 2900073D12Rik
	NCBI ID	140919
	MGI ID	2156052
	Ensembl ID	ENSMUSG00000030500
	Human Ortholog	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

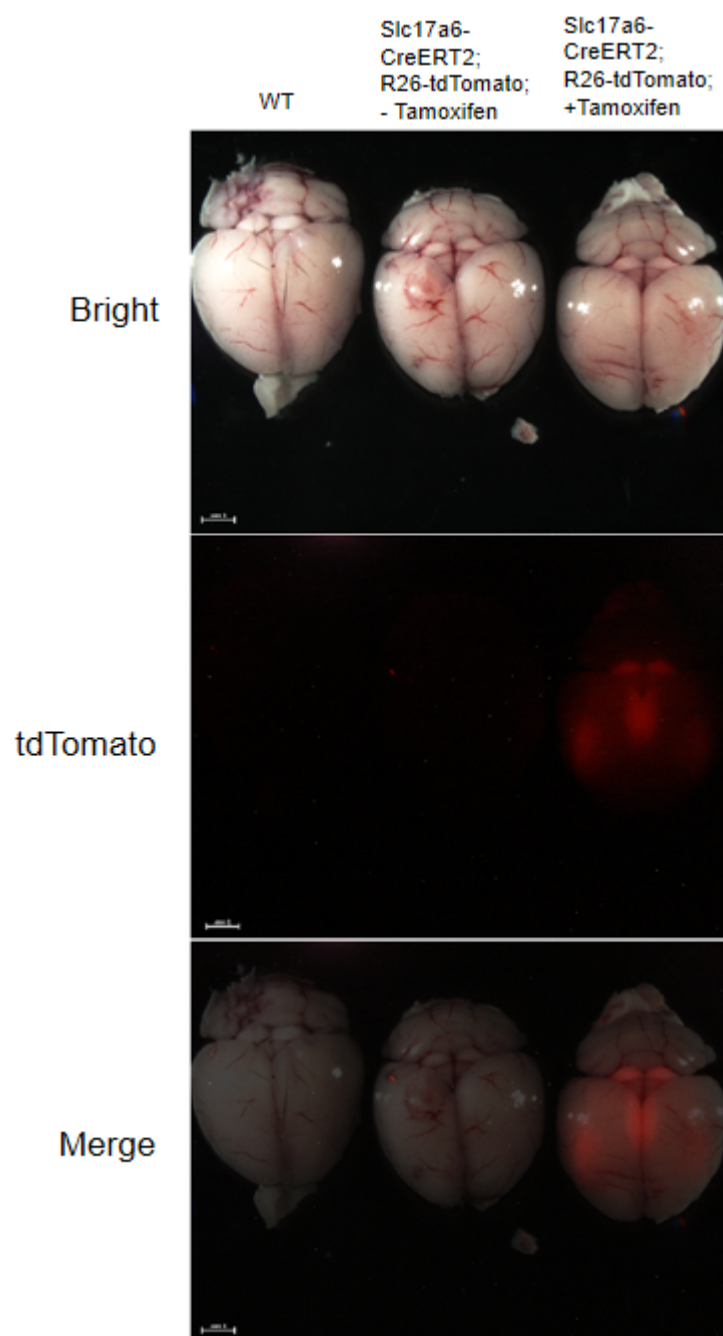


Fig1. Expression Pattern of Tomato in Slc17a6-CreERT2 +/-; R26- tdTomato +/- mice.

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.