

CAG-LSL-dCas9-SPH-Tg

品系全名	C57BL/6Smoc-Tg(CAG-LSL-dCas9-SPH)Smoc
目录号	NM-TG-00025
品系状态	活体

基因信息

基因名	基因曾用名
	NCBI ID
	MGI ID
	Ensembl ID

品系描述

Cre-dependent SunTag-p65-HSF1 (SPH) transgenic mice were generated with piggyBac transposon system in F1 zygotes and crossed with wild type C57BL/6 mice., SPH transgenic mouse containing HA-tagged dCas9 fused with 10xGCN4, which is linked with p65-HSF1 and EGFP in tandem via P2A and T2A respectively. The transgene is driven by the ubiquitous CAG promoter and interrupted by a loxP-stop-loxP (LSL) cassette to render Cas9 expression inducible by the Cre recombinase. Expression of dCas9 can be detected using primary antibody: rabbit monoclonal antibody to HA-tag (1:1000, #3724, CST45) and secondary antibody: goat anti-rabbit Alexa Fluor 488 (1:1000, #A-11034, Thermo Fisher).

应用领域: 基因调控工具,基因激活,CRISPR

*使用本品系发表的文献需注明: CAG-LSL-dCas9-SPH-Tg mice (Cat. NO. NM-TG-00025) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

暂无数据

发表文献

[In vivo simultaneous transcriptional activation of multiple genes in the brain using CRISPR-dCas9- activator transgenic mice](#)

来源杂志: Nature Neuroscience