

R26-CAG-2xKRAB-dCas9-IRES-EGFP

Nomenclature	C57BL/6Smoc- <i>Gt(ROSA)26Sor</i> ^{em1(CAG-Loxp-2xKRAB-dCas9-IRES-EGFP)Smoc}
Cat. NO.	NM-KI-18007
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Gt(ROSA)26Sor	Synonyms	R26, ROSA26, AV258896, Gtrg eo26, Gtrosa26, Thumpd3as1
	NCBI ID	14910
	MGI ID	104735
	Ensembl ID	ENSMUSG00000086429

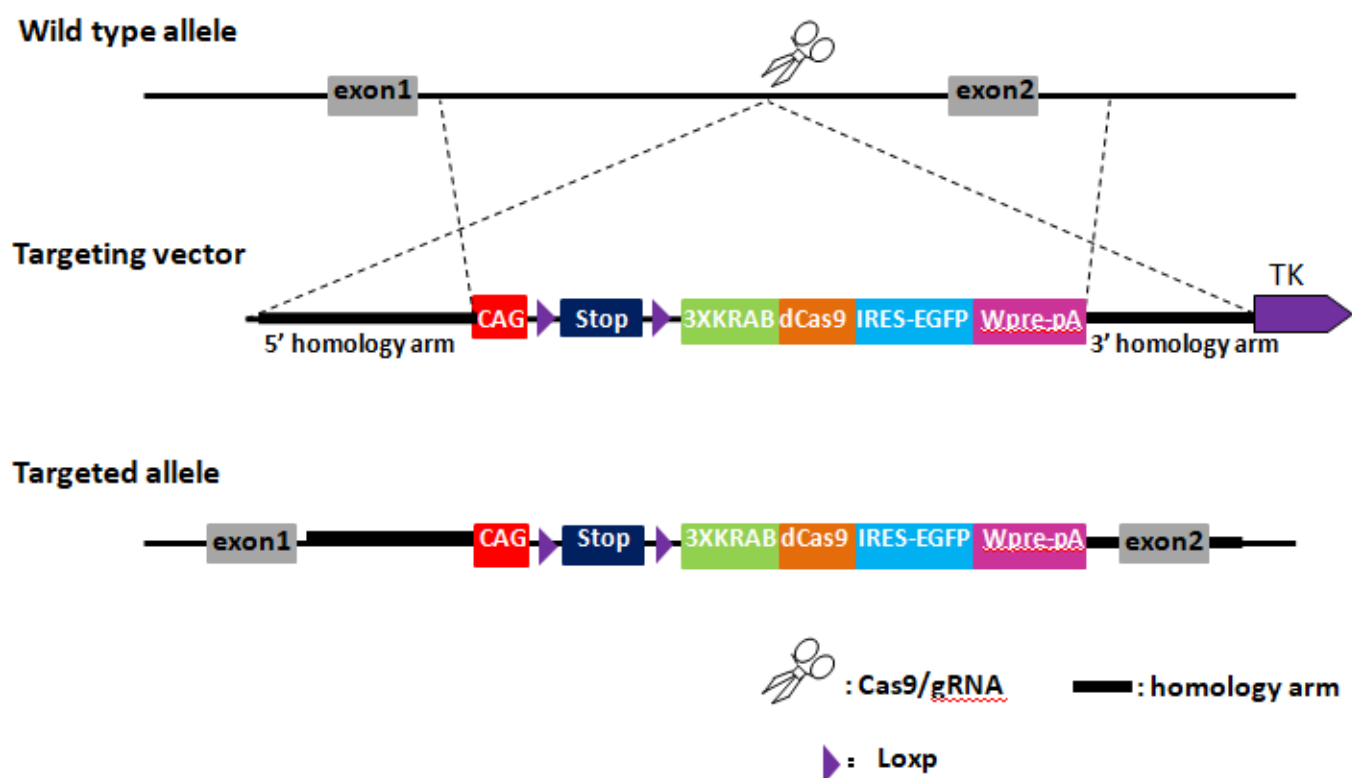
Model Description

These mice harbor a CAG-LSL-2xKRAB-dCas9-IRES-EGFP-WPRE-pA conditional expression cassette in mouse Rosa26 loci via homologous recombination. This strain can be used in CRISPR mediated target gene transcriptional inhibition (CRISPRi). The loxp-stop-loxp cassette was deleted.

Research Application: CRISPRi, gene regulation tool

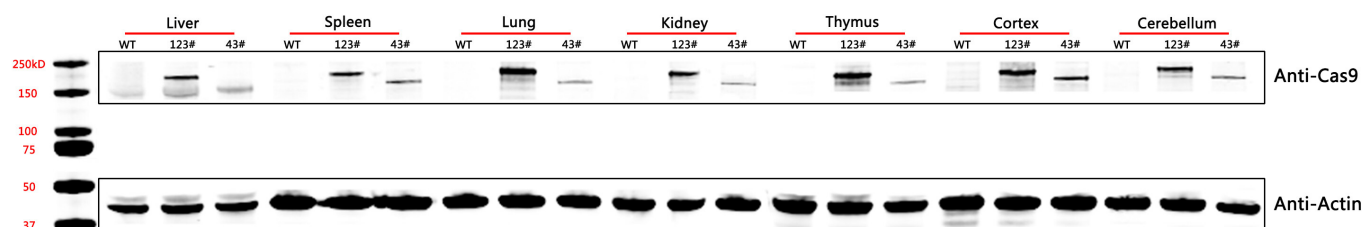
*Literature published using this strain should indicate: R26-CAG-2xKRAB-dCas9-IRES-EGFP mice (Cat. NO. NM-KI-18007) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data



Validation of 2xKRAB-dCas9 expression by Western blot

Rosa26- CAG-LSL-2xKRAB-dCas9 mice were crossed with Dppa3-Cre mice to delete STOP cassette.



Validation of EGFP expression by fluorescence assay

