

R26-CAG-LSL-hIDH2*R140Q-IRES-Luc-2A-tdTomato

Nomenclature	C57BL/6Smoc- <i>Gt(ROSA)26Sor</i> ^{em1(CAG-LSL-IDH2(R140Q)-IRES-Luciferase-2A-tdTomato)Smoc}
Cat. NO.	NM-KI-190075
Strain State	Embryo 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-IDH2(R140Q)-IRES-Luciferase-2A-tdTomato cassette in the Rosa26 locus generated by homologous recombination.

Research Application: cancer research

*Literature published using this strain should indicate: R26-CAG-LSL-hIDH2*R140Q-IRES-Luc-2A-tdTomato mice (Cat. NO. NM-KI-190075) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

D-2-Hydroxyglutaric Aciduria	Phenotype(s)	MGI:5582197 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with ACTB-cre mice.
	Reference(s)	Akbay EA, Moslehi J, Christensen CL, Saha S, Tchaicha JH, Ramkissoon SH, Stewart KM, Carretero J, Kikuchi E, Zhang H, Cohoon TJ, Murray S, Liu W, Uno K, Fisch S, Jones K, Gurumurthy S, Gliser C, Choe S, Keenan M, Son J, Stanley I, Losman JA, Padera R, Bronson RT, Asara JM, Abdel-Wahab O, Amrein PC, Fathi AT, Danial NN, Kimmelman AC, Kung AL, Ligon KL, Yen KE, Kaelin WG Jr, Bardeesy N, Wong KK, D-2-hydroxyglutarate produced by mutant IDH2 causes cardiomyopathy and neurodegeneration in mice. Genes Dev. 2014 Mar 1;28(5):479-90

Validation Data

No data