

Dag1-Flox

Nomenclature	C57BL/6Smoc- <i>Dag1</i> ^{em(flox)/Smoc}
Cat. NO.	NM-CKO-230140
Strain State	Repository Live

Gene Summary

Gene Symbol Dag1	Synonyms	DG, Dp71, Dp427, D9Wsu13e
	NCBI ID	13138
	MGI ID	101864
	Ensembl ID	ENSMUSG00000039952
	Human Ortholog	DAG1

Model Description

These mice carry loxP sites flanking exon 4 of *Dag1*. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Dag1* gene.

*Literature published using this strain should indicate: Dag1-Flox mice (Cat. NO. NM-CKO-230140) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Dilated Cardiomyopathy	Phenotype(s)	MGI:4946226 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Myl2-Cre mice.
	Reference(s)	Michele DE, Kabaeva Z, Davis SL, Weiss RM, Campbell KP, Dystroglycan matrix receptor function in cardiac myocytes is important for limiting activity-induced myocardial damage. Circ Res. 2009 Nov 6;105(10):984-93

Lissencephaly	Phenotype(s)	MGI:2684281 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with GFAP-cre mice.
	Reference(s)	Moore SA, Saito F, Chen J, Michele DE, Henry MD, Messing A, Cohn RD, Ross-Barta SE, Westra S, Williamson RA, Hoshi T, Campbell KP, Deletion of brain dystroglycan recapitulates aspects of congenital muscular dystrophy. Nature. 2002 Jul 25;418(6896):422-5

Validation Data

No data