

Bag3-Flox

Nomenclature	C57BL/6Smoc- <i>Bag3</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-2101856
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Bag3	Synonyms	Bis, mg638, AA407278
	NCBI ID	29810
	MGI ID	1352493
	Ensembl ID	ENSMUSG00000030847
	Human Ortholog	BAG3

Model Description

These mice carry loxP sites flanking exon 4 of Bag3 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Bag3 gene.

*Literature published using this strain should indicate: Bag3-Flox mice (Cat. NO. NM-CKO-2101856) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Dilated Cardiomyopathy 1Hh	Phenotype(s)	MGI:6107901 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Myhca-cre mice.
	Reference(s)	Fang X, Bogomolovas J, Wu T, Zhang W, Liu C, Veevers J, Stroud MJ, Zhang Z, Ma X, Mu Y, Lao DH, Dalton ND, Gu Y, Wang C, Wang M, Liang Y, Lange S, Ouyang K, Peterson KL, Evans SM, Chen J, Loss-of-function mutations in co-chaperone BAG3 destabilize small HSPs and cause cardiomyopathy. J Clin Invest. 2017 Aug 01;127(8):3189-3200

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Validation Data

No data