

Flvcr1-Flox

Nomenclature	C57BL/6Smoc- <i>Flvcr1</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200054
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Flvcr1	Synonyms	FLVCR, Mfsd7b, 9630055N22Rik
	NCBI ID	226844
	MGI ID	2444881
	Ensembl ID	ENSMUSG00000066595
	Human Ortholog	FLVCR1

Model Description

These mice carry loxP sites flanking exon 3 of Flvcr1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Flvcr1 gene.

Research Application: Diseases associated with FLVCR1 include Posterior Column Ataxia With Retinitis Pigmentosa and Posterior Column Ataxia.

*Literature published using this strain should indicate: Flvcr1-Flox mice (Cat. NO. NM-CKO-200054) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Diamond-Blackfan Anemia	Phenotype(s)	MGI:3807529 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Mx1-cre mice.
	Reference(s)	Keel SB, Doty RT, Yang Z, Quigley JG, Chen J, Knoblauch S, Kingsley PD, De Domenico I, Vaughn MB, Kaplan J, Palis J, Abkowitz JL, A heme export protein is required for red blood cell differentiation and iron homeostasis. Science. 2008 Feb 8;319(5864):825-8

Validation Data

No data
