

Cdkn1a-Flox

Nomenclature	C57BL/6Smoc- <i>Cdkn1a</i> ^{em2(flox)Smoc}
Cat. NO.	NM-CKO-200033
Strain State	Repository Live

Gene Summary

Gene Symbol Cdkn1a	Synonyms	P21, CDKI, CIP1, SDI1, Waf1, mda6, CAP20, Cdkn1, p21WAF, p21Cip1
	NCBI ID	12575
	MGI ID	104556
	Ensembl ID	ENSMUSG00000023067
	Human Ortholog	CDKN1A

Model Description

These mice carry loxP sites flanking exon 2-3 of Cdkn1a gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Cdkn1a gene.

Research Application: Cancer research

*Literature published using this strain should indicate: Cdkn1a-Flox mice (Cat. NO. NM-CKO-200033) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Urinary Bladder Cancer	Phenotype(s)	MGI:5790498 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Ctnnb1-Flox(NM-CKO-200154) and Upk2-cre mice.
	Reference(s)	Ahmad I, Patel R, Liu Y, Singh LB, Taketo MM, Wu XR, Leung HY, Sansom OJ, Ras mutation cooperates with beta-catenin activation to drive bladder tumourigenesis. Cell Death Dis. 2011;2:e124

Validation Data

No data
