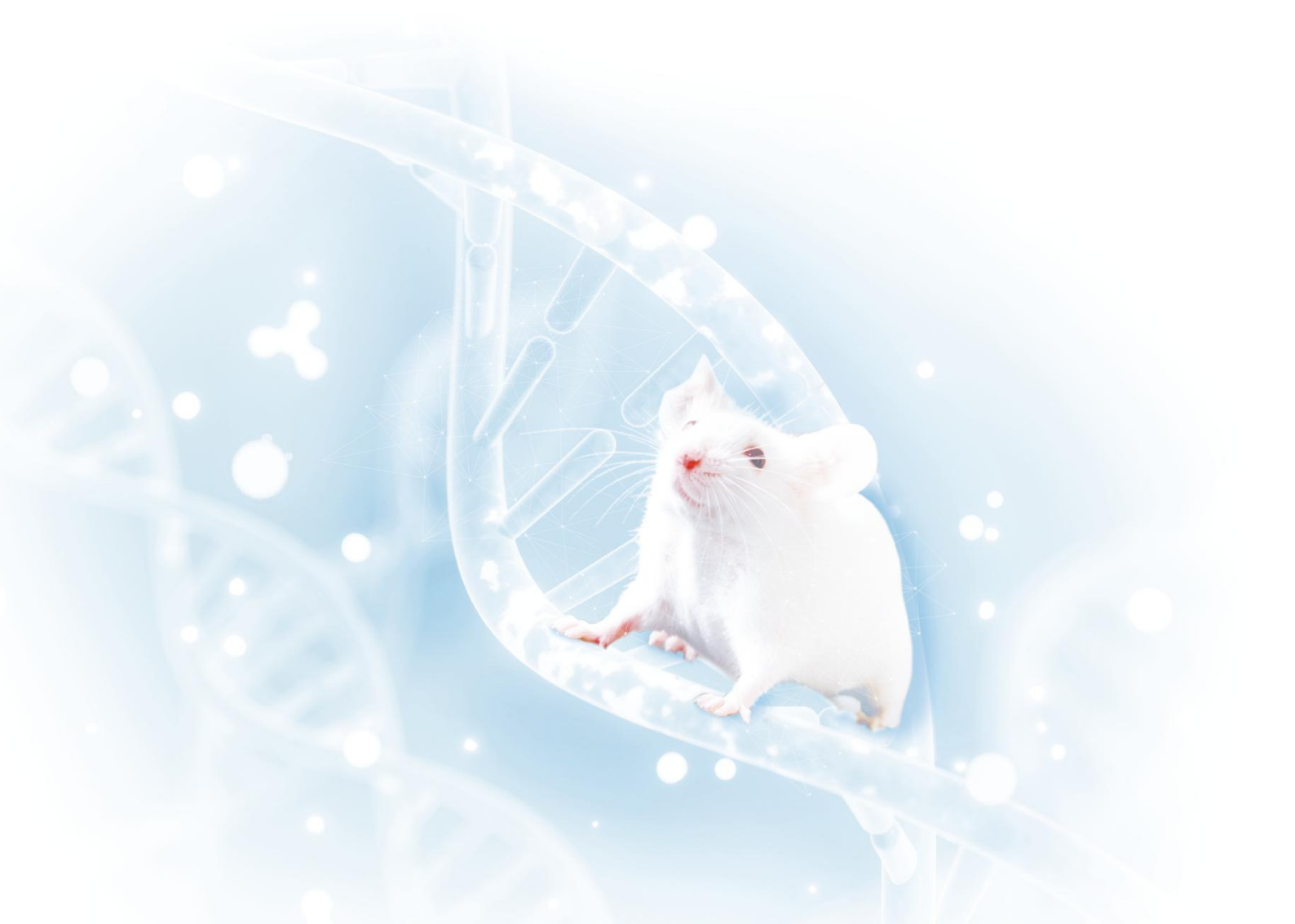


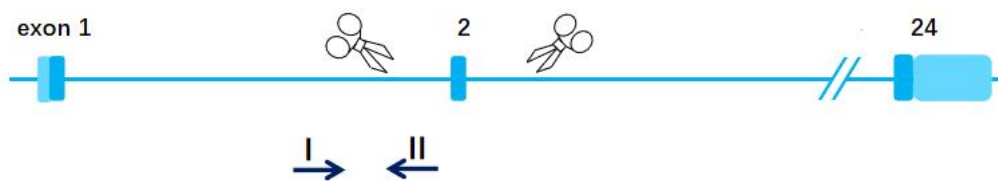
Adams12-Flox Genotyping Protocol



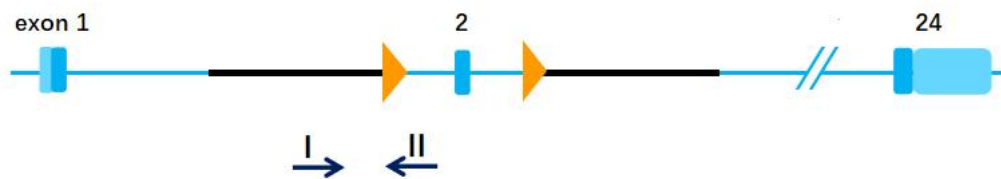
Common Name	Adamt ^s 12-Flox	Cat. NO.	NM-CKO-234481
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Wild type allele



Targeted allele



→ : primer location

Primers

Primer	Sequence (5' → 3')	Primer type
P1	GAAGTGCTTGAGGGCGTGAG	Forward
P2	CACCCCATGAACACTGTCAAC	Reverse

Expected results

Results	
Genotype	<p>Wild type: P1P2 =259 bp</p> <p>Heterozygote: P1P2 =259 bp and 318 bp</p> <p>Homozygote: P1P2 =318 bp</p>

Reaction &Cycling

PCR Reaction System	Reaction Component		Volume (μl)	
	ddH2O		8.0	
	2×Rapid Taq Master Mix		10.0	
	P1 (10 pmol/μl)		0.5	
	P2 (10 pmol/μl)		0.5	
	Genomic DNA		1.0	
	Total		20	
	2×Rapid Taq Master Mix from Vazyme (Code Number: P222-01)			
Cycling	Step	Temp	Time	Note

Reaction	1	95° C	5 min	
	2	95° C	20 sec	
	3	60° C	20 sec	
	4	72° C	20 sec	35 repeats to 2
	5	72° C	5 min	
	6	12° C	Hold	