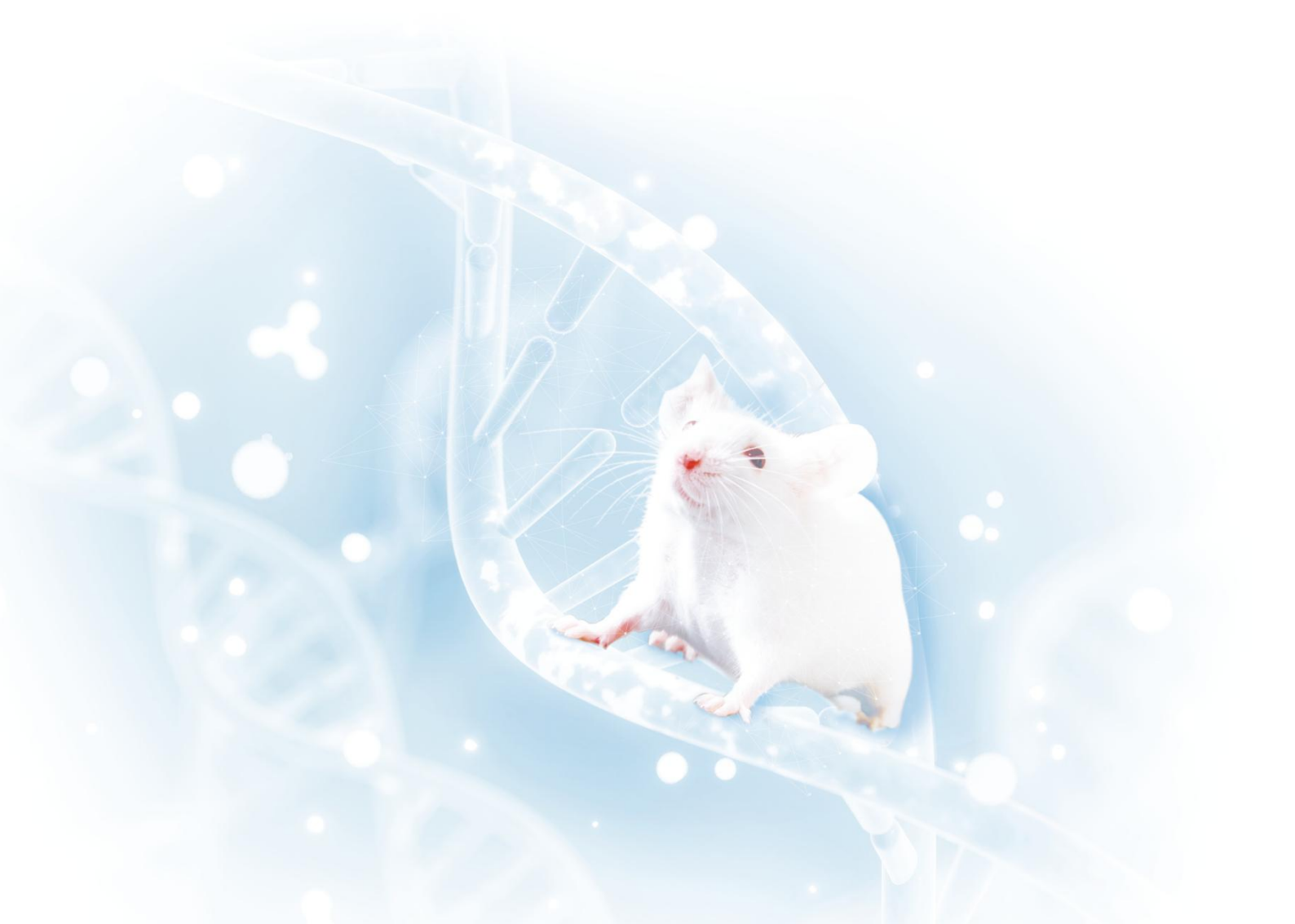


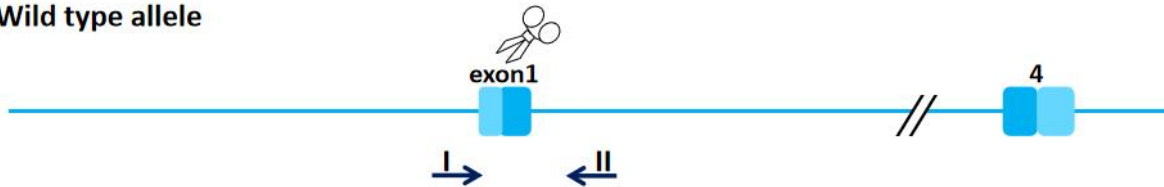
Fabp7-CreERT2 Genotyping Protocol



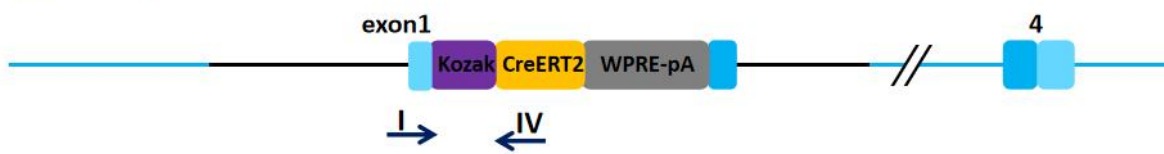
Common Name	Fabp7-CreERT2	Cat. NO.	NM-KI-231749
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Wild type allele



Targeted allele



→ : primer location

Primers

Primer	Sequence (5' → 3')	Primer type
P1	GAGTTCCTCCAGTTCCTGCC	Forward
P2	TCACCGGATAAAGCTGCCTC	Reverse
P4	ACATCTTCAGGTTCTGCGGG	Reverse

Expected results

Results	
Genotype	<p>Wild type: P1P2 =741 bp; Heterozygote: P1P2 =741 bp; P1P4=268 bp Homozygote: P1P4 =268 bp</p>

Reaction & Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			8.0
	2×Taq Plus Master Mix			10.0
	P1 (10 pmol/μl)			0.5
	P2 (10 pmol/μl)			0.5
	P4 (10 pmol/μl)			0.5
	Genomic DNA			1.0
	Total			20
	2×Taq Plus Master Mix from Vazyme (Code Number: P222-1)			
Cycling Reaction	Step	Temp	Time	Note
	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	