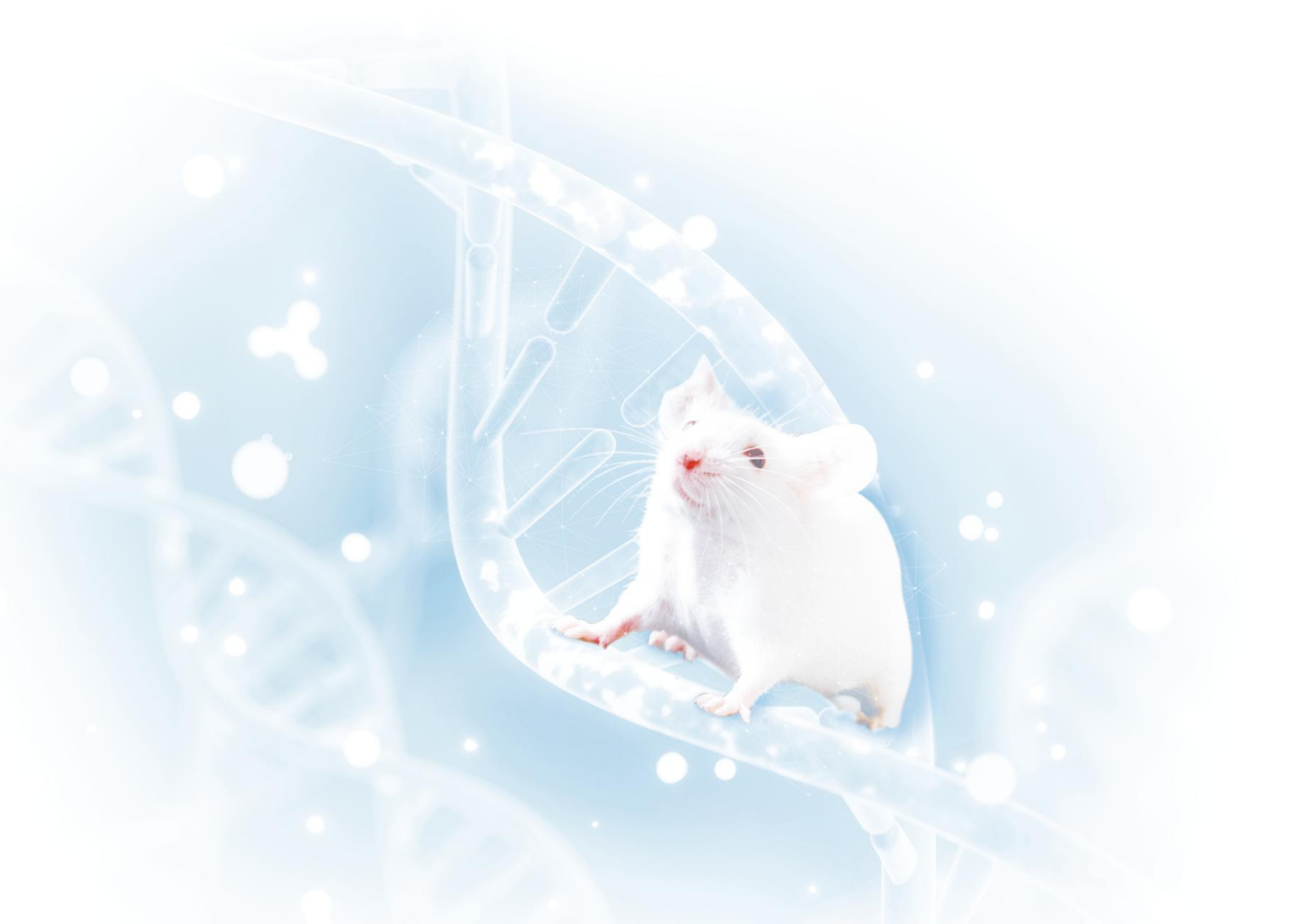


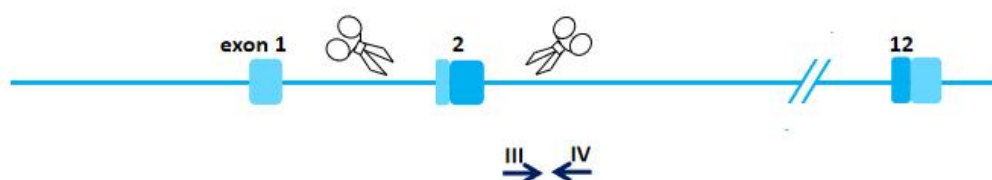
Trappc12-Flox Genotyping Protocol



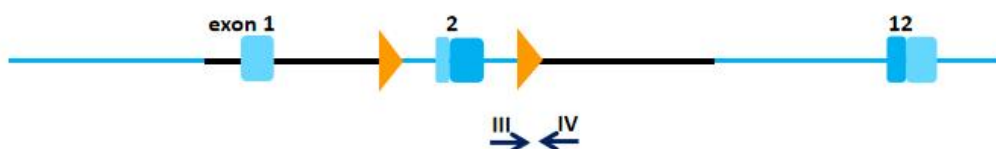
Common Name	Trappc12-Flox	Cat. NO.	NM-CKO-240911
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Wild type allele



Targeted allele

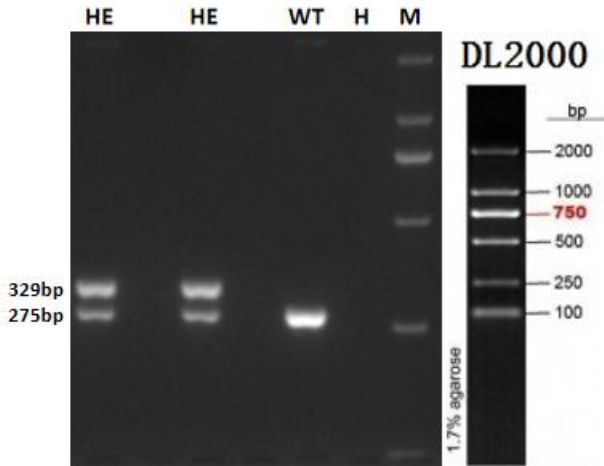


→ : primer location

Primers

Primer	Sequence (5'→3')	Primer type
P3	GCCCCACCCCACAAATGC	Forward
P4	AGTTCTCTCTCCAGCCCTAGAAT	Reverse

Expected results

Results	
Genotype	Wild type: P3P4 =275 bp; Heterozygote: P3P4 =275 bp and 329 bp; Homozygote: P3P4 =329 bp

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			8.0
	2 × Rapid Taq Master Mix			10.0
	P3(10 pmol/μl)			0.5
	P4(10 pmol/μl)			0.5
	Genomic DNA			1.0
	Total			20
	2 × Rapid Taq Master Mix from Vazyme(Code Number: P222-01)			
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	