

Vps13b-KO Genotyping Protocol

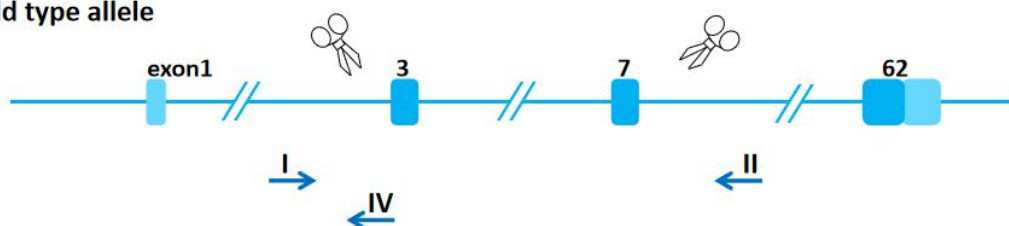


Common Name	Vps13b-KO	Cat. NO.	NM-KO-230153
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Type 1:

Wild type allele



knockout allele



Primers

Primer	Sequence (5' →3')	Primer type
P1	GCTGCGCCAGAACTTACAAAC	Forward
P2	TCGCCATCCCACAGTCAAAA	Reverse
P4	GGTTCGGAGCCCAATTTTGTC	Reverse

Expected results

Results	
Genotype	Wild type: P1P4=340 bp Heterozygote: P1P2 =608 bp; P1P4=340 bp Homozygote: P1P2 =608 bp

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			7.5
	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	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	