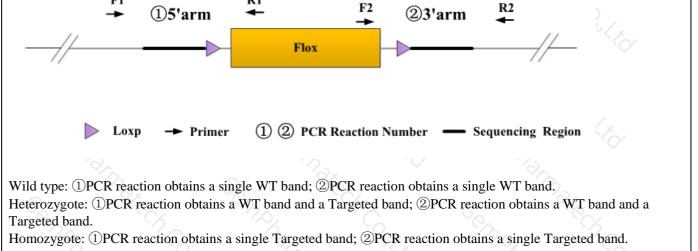


		Genotyp	ing Report		· · · · ·
Strain ID	T018010	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name		Gpr171	°C
. Strategy of (Genotyping		3	C Prinate	
	F1	R1	F2 0		



Note: The sizes of WT and Targeted band are shown below.

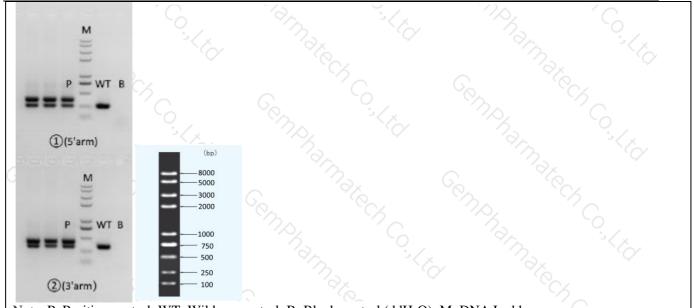
2. Primer Information

PCR No. Primer No.		Sequence	Band Size
	T018010-F1	GTAAGTGGTATTTTTGACCCTGCC	WT: 265bp
(1)(5'arm)	T018010-R1 CCCTTCTAACTTGGACAGTAGAGAAC		Targeted:370bp
2)(3'arm)	m) T018010-F2 CAAAGCCCTGTGTGTAAGTTCACA T018010-R2 CCAAGGAGAGGATGAAGGGATAC		WT: 319bp
			- Targeted:425bp

3. Gel Image & Conclusion







Note: P: Positive control; WT: Wildype control; B: Blank control (ddH₂O); M: DNA Ladder ① Control (WT) : It is an important reference mark for whether the PCR reaction is successful and whether the product band position and size meet the theoretical requirements. ② Control (B) : PCR amplification was performed without template in the PCR reagent to monitor whether the reagent was contaminated.

4. PCR Condition

PCR Reaction	Component		The the	
Seg.	reaction	reaction component		
1	2 × Rapid Taq Master Mix(Vazy	2 × Rapid Taq Master Mix (Vazyme P222)		
2	ddH2O		9.5	
3	Primer A(10pmol/µl)	Primer A(10pmol/µl)		
4	Primer B(10pmol/µl)	Primer B(10pmol/µl)		
5 70/	Template(≈100ng/µl)	Contraction of the second		
PCR program	① priority selection	C C	732	
Seg.	Temp.	Time	Cycle	
1	95°C	5min		
2 6	98°C	30s	20×	
3	65℃*(-0.5℃/cycle)	30s		
4	72°C	45s*		
5	98°C	30s	20×	
6	55°C*	30s		
7 70	72°C	45s*	$\gamma_{\rm A}$ $\gamma_{\rm C}$	
8	72°C	5min 🗸	2	



9	10°C	Pre	hold	100	с ^с С
PCR program	② the second choice	n di x	$\langle \mathcal{O} \rangle$		Prz ilx
Seg.	Temp.		Time		Cycle
1	95°C	6	5min	Con .	°%
2	98°C	Mrs.	30s	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	35×
3	58°C*	120	30s	(m it
4	72° C	2	45s*	2	
5 2	72℃	G _C	5min	ns,	20
6 Pr	10°C		hold	2	· · · · · · · · · · · · · · · · · · ·
		an.	· · · / ·		か、 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Note*: Annealing temperature and extension time can be determined according to the actual amplification situation and amplification enzyme efficiency.