

	2	Genotyp	ing Report		Co. Kr
Strain ID	T025080	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Slc35b1	°C
Strategy of	Genotyping	n na		C That	
	F1 → ①5'arn	R1	F2 23	'arm R2	

Wild type: ①PCR reaction obtains a single WT band; ②PCR reaction obtains a single WT band. Heterozygote: ①PCR reaction obtains a WT band and a Targeted band; ②PCR reaction obtains a WT band and a Targeted band. Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted band.

(1) (2) PCR Reaction Number - Sequencing Region

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

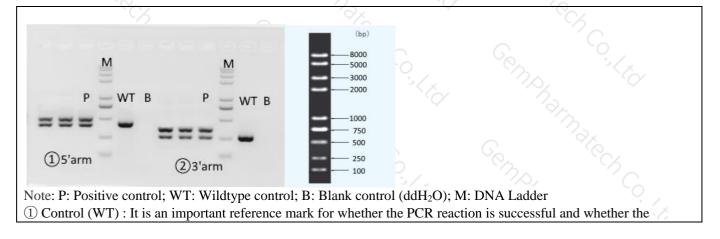
Loxp

Primer

2. Primer Information

PCR No.	Primer No.	Sequence	Band Size	
(1)(5'arm)	T025080-F1	TGTGTCTGGTACAGGGTTTTCTCTTC	WT: 397bp Targeted: 502bp	
	T025080-R1	CCAACCTACTGCTACCATAGCCTAAG		
2(3'arm)	T025080-F2	AGAGCTGGATCACAATCCTCCAA	WT: 248bp	
	T025080-R2	GGAGTTCAAAAGAAGAGGAGCTTAGAG	- Targeted: 354bp	

3. Gel Image & Conclusion





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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		M. M		
Seg.	reaction co	reaction component			
1^{γ}	2 × Rapid Taq Master Mix (Vazym	2 × Rapid Taq Master Mix (Vazyme P222)			
2 73	ddH2O		9.5		
3	Primer A(10pmol/µl)	. 3/x	1		
1	Primer B(10pmol/μl)	Primer B(10pmol/µl)			
5	Template(≈100ng/µl)	Template(≈100ng/μl)			
PCR program	① priority selection	í Constantino de Cons			
Seg.	Temp.	Time	Cycle		
1	95℃	5min	CULE .		
2 6	98°C	30s	20×		
3 ^N S,	65℃*(-0.5℃/cycle)	30s			
4 7	72°C	45s*			
5	98°C	30s	20×		
5 6	55℃*	30s			
	72°C	45s*			
3	72°C	5min	Dr. Slx		
Ð	10 ℃	hold	() ₂ , (9		
PCR program	② the second choice	Tax Con	2 ² C/		
Seg.	Temp.	Time	Cycle		
1 97	95℃	5min	AND - CA		
2	98°C	30s	35×		
3	58℃*	30s	3		
4	72°C	45s*			
5 7/	72℃	5min			
6	10°C	hold	ngr.		

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