

# PCR protocol

RBRC 01507 **Strain name** Olig2-CreER knock in mouse

Primer	primer_name	primer_seq	length	
1	Common sense	TCGAGAGCTTAGATCATCC	19	Depositor's primer
2	Olig2 <sup>KICreER</sup>	AGCATTGCTGTCACTTGGT	19	Depositor's primer
3	Olig2	CACCGCCGCCAGTTTGTCC	20	Depositor's primer

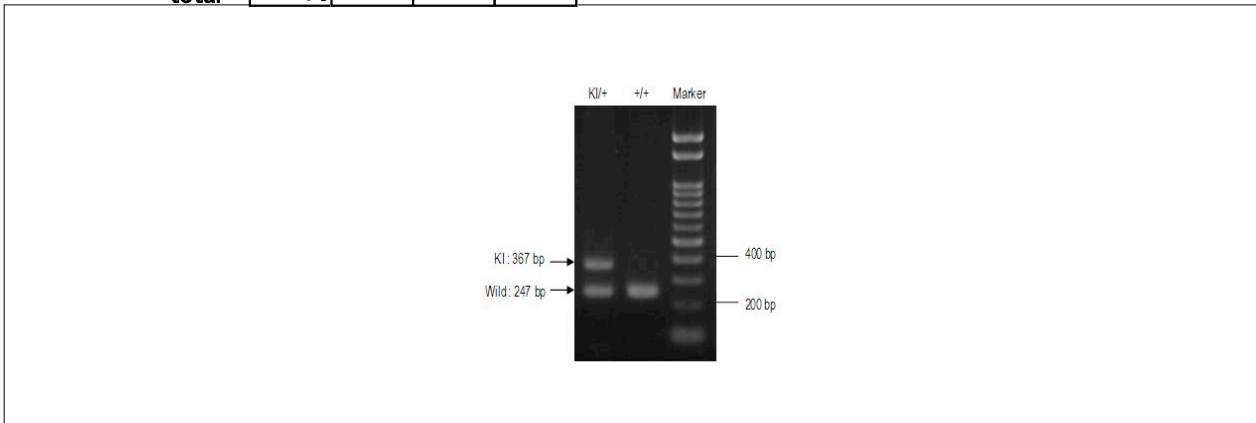
**Reaction Components**

Enzyme: QIAGEN Multiplex PCR Kit (Cat. No. 206143)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
Master Mix	2 X	5.0			
DNA		1.0			
total		10			

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	63	90*	
4	72	90*	*Repeat for 30 cycles
5	72	600	



**Marker**  
 Gene Ladder 100 (Wako, Cat. 316-06951)

**Gel**  
 2% agarose in 1 X TAE (100 V, 30 min)

PCR products			
	primer_set	product_size	product
primer 1	primer 2	367 bp	KI
primer 1	primer 3	247 bp	WT

Comment