

RBRC 05601

Strain name B6.129(Cg)-Rab7<tm1.1Ywd>

Primer	primer_name	primer_seq	length	
1	Rab7-S02	ACCTGGAAGAGTGAACCAAGGGTCAGCATG	30	Depositor's primer
2	Rab7-A02	ACCCCTGCCTGGGATTTTGGTCTGGATTC	30	Depositor's primer
3	Rab7-A05	AATTTAGGATTGGGGTGTGGCTCCGTGCTC	30	Depositor's primer

Reaction Components

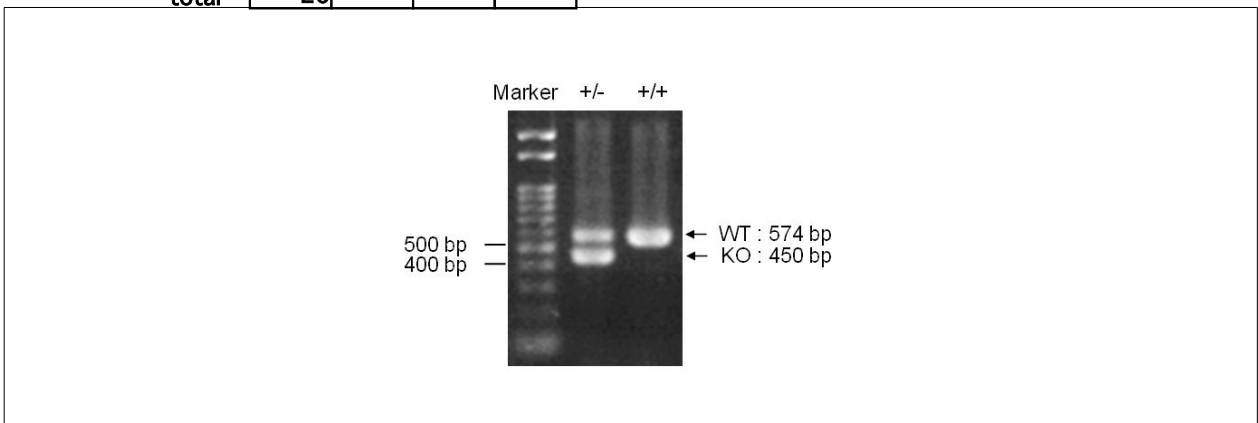
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	5 U/μl	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Standard PCR



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

Gel
 2% agarose in 1 X TAE (100 V, 35 min)

PCR products		product_size	product
primer 1	primer 2		
primer 1	primer 2	574 bp	WT
primer 1	primer 3	450 bp	KO

Comment