PCR protocol

Sheet ID PS_05488
Release date : 7/25/2014
Print date : 7/25/2014

RBRC 05600 Strain name B6.129(Cg)-Rab7<tm1Ywd>

Primer	primer_name	primer_seq	length		
1	Rab7-S02	ACCTGGAAGAGTGAACCAAGGGTCAGCATG	30		Depositor's primer
2	Rab7-A02	ACCCCTGCCTGGGATTTTGGTCCTGGATTC	30		Depositor's primer

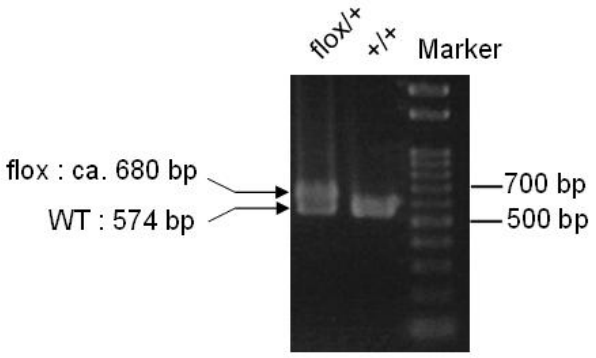
Reaction Components

Enzyme: TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.6			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.4			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	68	120	* *Repeat for 30 cycles



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	574 bp	WT
primer 1	primer 2	ca. 680 bp	flox

Comment: Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.

PCR protocol

Sheet ID PS_05064
Release date : 06/27/2013
Print date : 7/25/2014

RBRC 05600 Strain name B6.129(Cg)-Rab7<tm1Ywd>

Primer	primer_name	primer_seq	length		
1	Rab7-S02	ACCTGGAAGAGTGAACCAAGGGTCAGCATG	30		Depositor's primer
2	Rab7-A02	ACCCCTGCCTGGGATTTTGGTCCTGGATTC	30		Depositor's primer

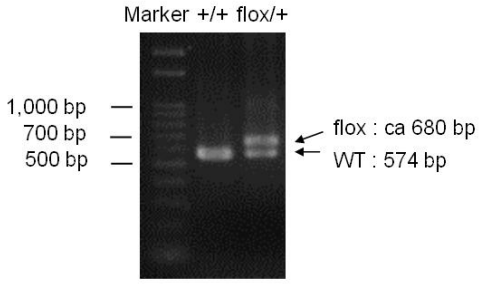
Reaction Components

Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
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			
DNA		1.0			
Taq	5U/μl	0.1			
	total	20			

Reaction Conditions

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



Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	574 bp	WT
primer 1	primer 2	ca 680 bp	flox

Comment