

RBRC 00052

Strain name SHL

Primer	primer_name	primer_seq	length	Reference
1	Exon 3	CTTCTGTCCTGCCTTCATCTCC	22	RIKEN BRC
2	Exon 4	CTCCGCCACTGGACCCAGCTG	21	RIKEN BRC
3		GCTCTCTTGCTTCTTGCTCTC	21	RIKEN BRC

Reaction Components

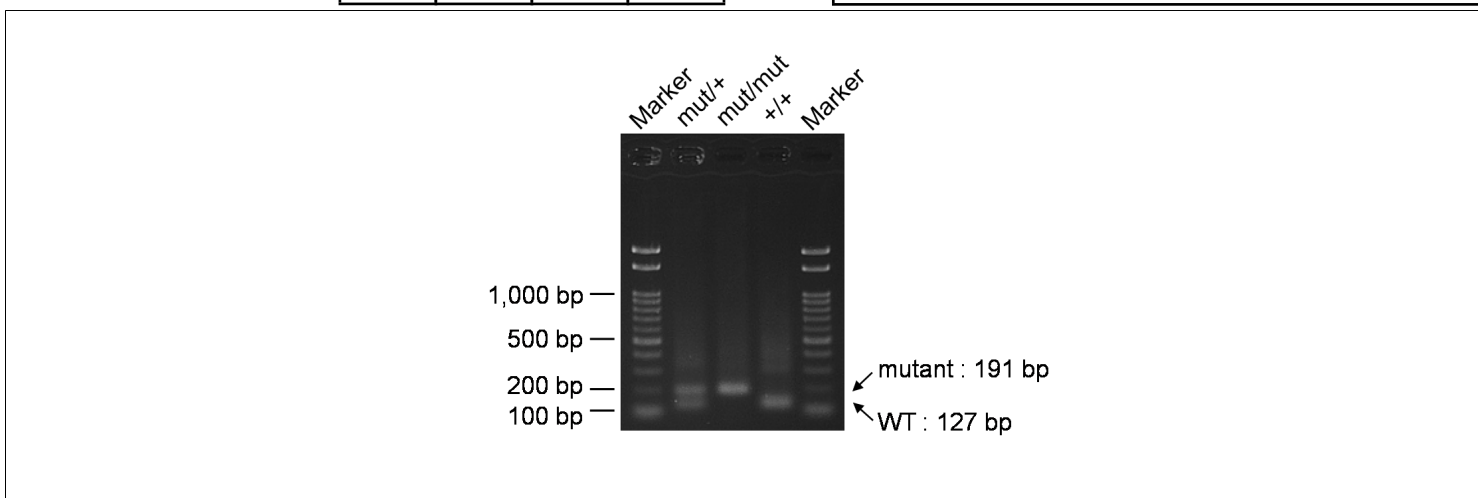
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
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			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	127 bp	WT
primer 1 primer 3	191 bp	mutant

Comment

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