

RBRC 09249

Strain name Che(Cg)-Ccdc85c<hhy>

Primer	primer_name	primer_seq	length	
1	EGtype F2	CTGCAGTTCCTCCCTGCT	20	Am. J. Pathol., 180, 314-327(2012).
2	EGtype R3	CGTGTGCTACAAAGGGCCTG	20	Am. J. Pathol., 180, 314-327(2012).
3	EGtype R4	CTCTCATGAGATCTGACGTCC	21	Am. J. Pathol., 180, 314-327(2012).

Reaction Components

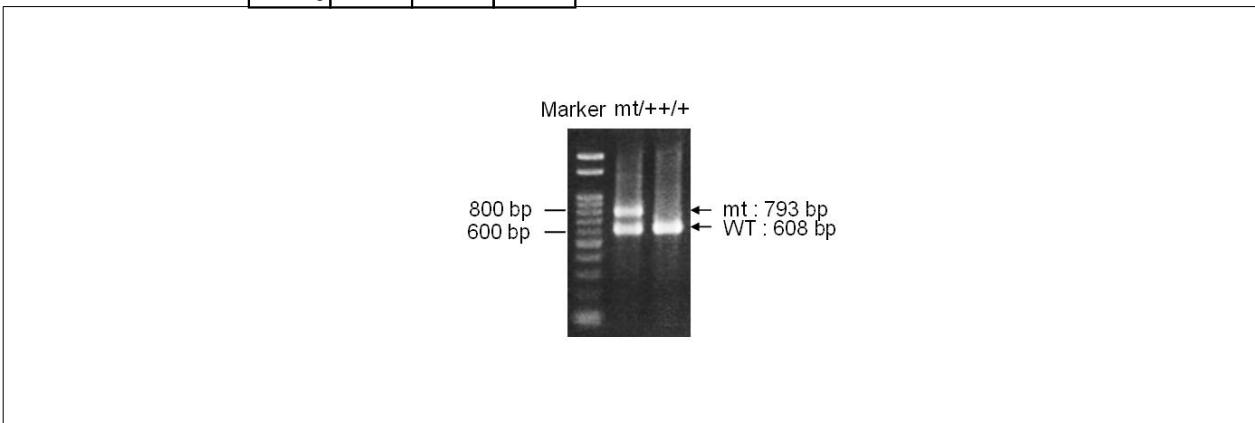
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 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			

Standard PCR



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 3	608 bp	WT
primer 1	primer 2	793 bp	mutant

Comment

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