

RBRC 06291

Strain name C57BL/6N-Ube3c<tm1b(EUCOMM)Hmgu>/B01

Primer	primer_name	primer_seq	length	Reference
1		GGACTGAAGCCATGTGATTGATTGC	25	RIKEN BRC
2		CCATTAGGCTACCTCATATCTGCTC	25	RIKEN BRC
3		GGCACATGGCTGAATATCGACGG	23	RIKEN BRC

Reaction Components

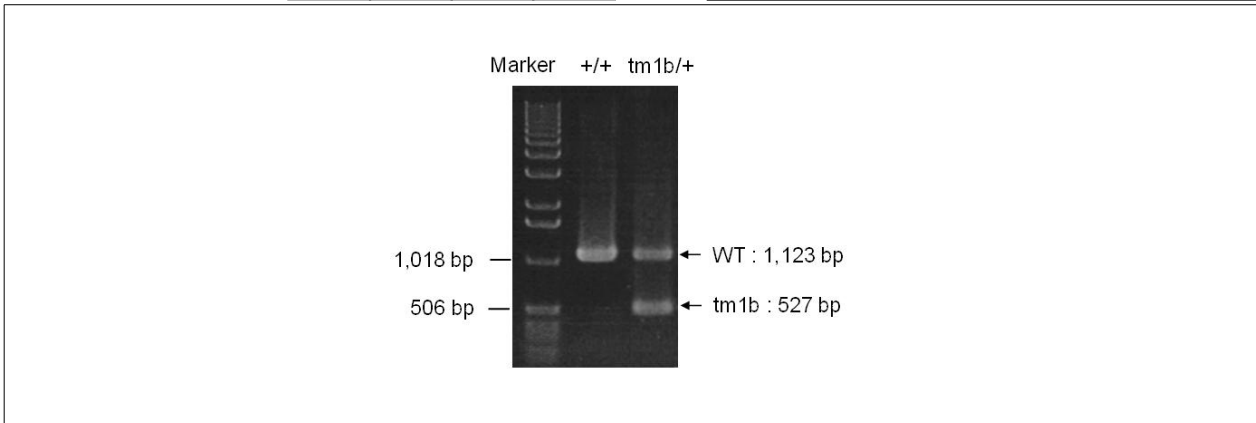
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μ l	1.0				
primer 2	10 pmol/ μ l	1.0				
primer 3	10 pmol/ μ l	1.0				
DNA		1.0				
Taq	1 U/ μ l	0.2				
total		20				

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

Marker 1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	1,123 bp	WT
primer 2	527 bp	tm1b

Comment [Standard PCR](#)

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