

RBRC 09299

Strain name C57BL/6N-Ptprm<em1 Rbrc>

Primer	primer_name	primer_seq	length	Reference
1	ck_MGE45-F	GGTTTTGTGTATCTGGGAGAAGCAT	25	RIKEN DNA Bank
2	ck_MGE45-R	CTCCGTTTTATTAAACAACCTCACTA	25	RIKEN DNA Bank

Reaction Components

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

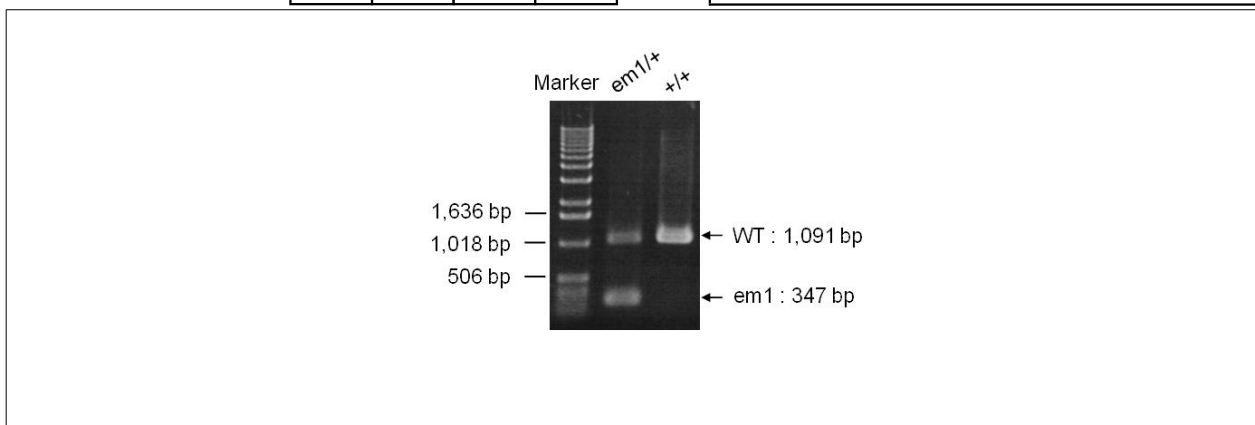
Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		2.8			
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			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

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 primer 2	1,091 bp	WT	+/: 1091 bp em1/+: 1091 bp, 347 bp
primer 1 primer 2	347 bp	em1	

Comment