

PCR protocol

Sheet ID PS_07293
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RBRC 09756

Strain name C57BL/6N-Ftl1 <em2Rbrc>

Primer	primer_name	primer_seq	length	
1	ck_MGE118-F	GAGGGTCAACATGCTATAAAAGGAG	25	RIKEN DNA Bank
2	WT	CAAGTTGACCAGGCGGTTACAG	22	RIKEN BRC
3	MT	TATTCCACCGAGGTGGAAGCTGAG	24	RIKEN BRC
4	common	GAGAGGTCGGAGCACAGTCTCTG	23	RIKEN BRC

Reaction Components

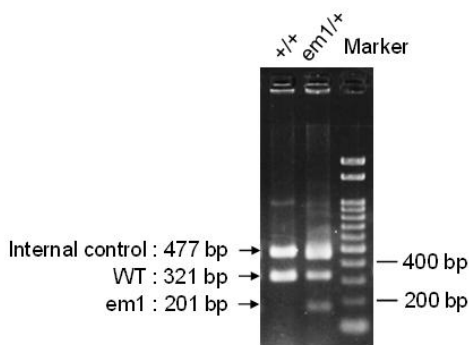
Enzyme	QIAGEN Multiplex PCR Kit (Cat. No. 206143)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	63	90*	
4	72	60*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
primer 4	10 pmol/μl	1.0			
DNA		1.0			
Master Mix	2 X	5.0			
total		10			

Separated 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 2	321 bp	WT
primer 2	primer 3	201 bp	em1
primer 1	primer 4	477 bp	Internal control

Comment