

PCR protocol

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RBRC 01353

Strain name C57BL/6-Tg(grm6-lacZ)35Kyo- grm6^{tm1Kyo}

Primer	primer_name	primer_seq	length	
1	F	AGCGCAGGAACCCAGTGATGTTCA	25	Depositor's primer
2	R1	GTGAGCAGGGCAGAGTAGTTGAGCG	25	Depositor's primer
3	3Neo	CGGCCACAGTCGATGAATCC	20	Proc. Natl. Acad. Sci. USA, 94, 13069-13074 (1997).
4	mGluR6-Cre51	GGGTGGGTCCAGAGGAAGAGCTGCCCA	27	Depositor's primer
5	LacZ381L22	GGTTTTCCCAGTCACGACGTTG	22	Depositor's primer

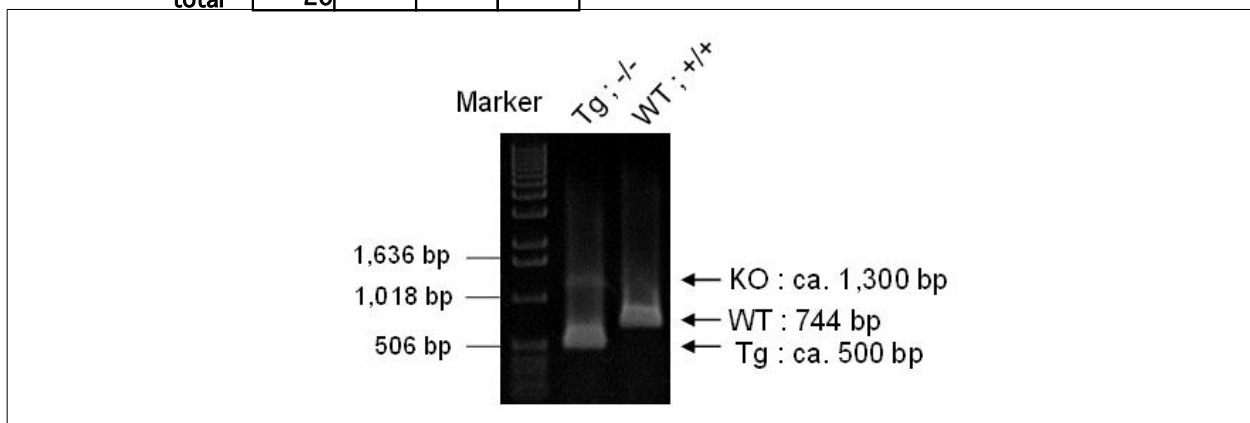
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.3			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	0.5			
primer 2	10 pmol/ μ l	0.5			
primer 3	10 pmol/ μ l	0.5			
primer 4	10 pmol/ μ l	0.5			
primer 5	10 pmol/ μ l	0.5			
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)

PCR products

primer_set	product_size	product
primer 1	primer 2	744 bp
primer 1	primer 3	ca. 1,300 bp
primer 4	primer 5	ca. 500 bp

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