

RBRC 06342

Strain name C57BL/6-App<tm1(NL)Tcs>

Primer	primer_name	primer_seq	length	
1		ATCTCGGAAGTGAAGATG	18	Nature Neuroscience, 17, 661-663 (2014).
2		TGTAGATGAGAACTTAAC	18	Nature Neuroscience, 17, 661-663 (2014).
3		ATCTCGGAAGTGAATCTA	18	Nature Neuroscience, 17, 661-663 (2014).
4		CGTATAATGTATGCTATACGAAG	23	Nature Neuroscience, 17, 661-663 (2014).

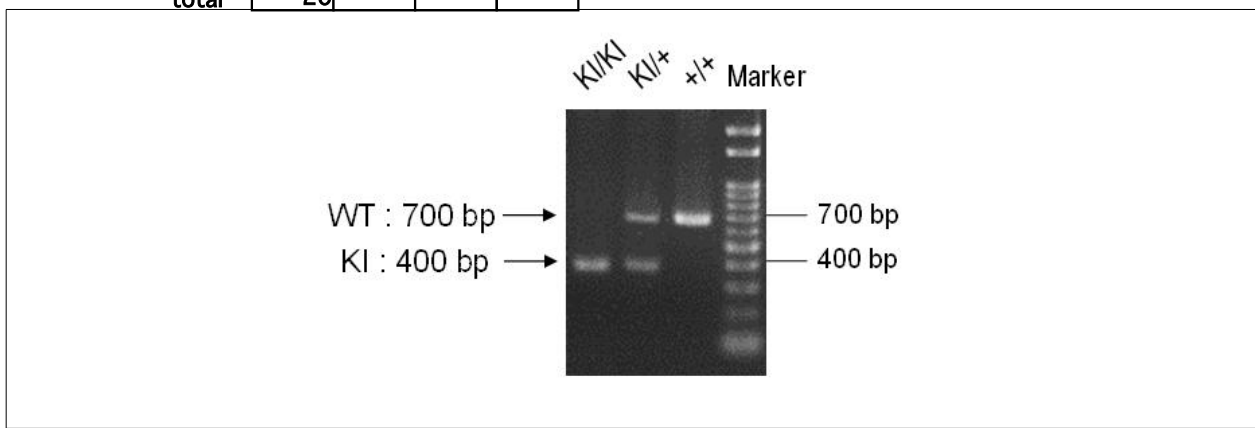
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8			
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			
primer 4	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	55	30*	
4	68	60*	*Repeat for 30 cycles



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	700 bp	WT
primer 3	primer 4	400 bp	KI

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