

RBRC 10043

Strain name B6.Cg-Mapt<tm1.1(MAPT)Tcs> App<tm3(NL-G-F)Tcs>

Primer	primer_name	primer_seq	length	Reference
1	Tau-KI-F	GTCAGATCACTAGACTCAGC	20	Depositor's primer
2	Tau-WT-R	CTGTGCTCCACTGTGACTGG	20	Depositor's primer
3	Tau-KI-R	CTGCTTGAGTTATCTTGCC	20	Depositor's primer
4		CTCCTTGTGGCTGGCGGTCACAC	23	RIKEN BRC
5	common_1	CTATCGTGGACCGAGAATGGTCATG	25	RIKEN BRC

Reaction Components

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

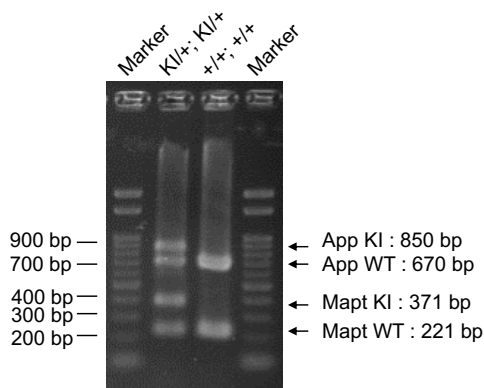
Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		2.3			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	0.5			
primer 2	10 pmol/μl	0.5			
primer 3	10 pmol/μl	0.5			
primer 4	10 pmol/μl	0.5			
primer 5	10 pmol/μl	0.5			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	221 bp WT (Mapt)
primer 1	primer 3	371 bp KI (Mapt)
primer 4	primer 5	670 bp WT (App)
primer 4	primer 5	850 bp KI (App)

Comment [Standard PCR](#)

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