PCR protocol

Sheet ID PS_04210
Release date : 8/14/2015
Print date : 8/14/2015

RBRC 04708 Strain name FVB-Tg(Slc6a5-EGFP)13Uze

Primer	primer_name	primer_seq	length		
1	04708	CCTGGAATGTGTGCATCTGTG	21		RIKEN BRC
2	3.1-EYFP3	GCGGACTTGAAGAAGTCGTG	20		Eur. J. Neurosci., 15, 40-50 (2002).
3	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27		Mol. Biol. Cell., 15, 1101-1111 (2004).
4	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27		Mol. Biol. Cell., 15, 1101-1111 (2004).

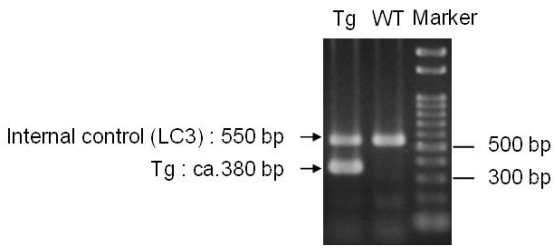
Reaction Components

Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		11.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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			
Taq	5U/μl	0.1			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	



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	ca 380 bp	Tg
primer 3	primer 4	550 bp	Internal control (LC3)

Comment

PCR protocol

Sheet ID PS_03924
Release date : 7.29.2011
Print date : 8/14/2015

RBRC 04708 **Strain name** FVB-Tg(Slc6a5-EGFP)13Uze

Primer	primer_name	primer_seq	length		
1	3.1-EYFP2	GAAGTTCATCTGCACCACCG	20		Depositor's primer
2	3.1-EYFP3	GCGGACTTGAAGAAGTCGTG	20		Depositor's primer
3	NR1-GT2	AGCCCTTCAAGTACCAGGGCCTGAC	25		Depositor's primer
4	NR1-GT3	AGCGGTCCAGCAGGTACAGCATCAC	25		Depositor's primer

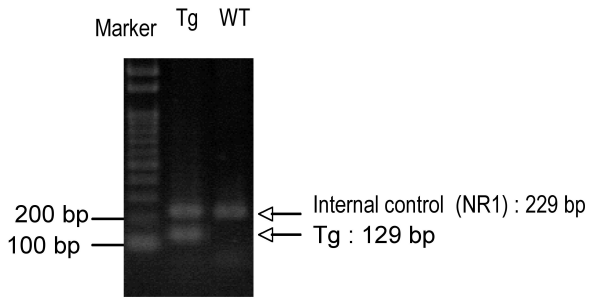
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		11.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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			
Taq	5U/μl	0.1			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	65	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	



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	129 bp	Tg
primer 3	primer 4	229 bp	NR1(Internal control)

Comment