

BRC_No 00913

Strain name Human Megsin BAC line812

Primer

	primer_name	primer_seq	length
1	BAC 1F	GTGCGGGCCTCTTCGCTATT	20
2	BAC 1R	CAGGTCGACTCTAGAGGATC	20
3	BAC 2F	AGTGTCACCTAAATAGCTTG	20
4	BAC 2R	CAGTACTGCGATGAGTGCA	20
5	hMegin ex8F	AGTTATCGCAGATATTCTAG	20
6	hMegin ex8R	GATTCTGTAGATAACAACGTG	20

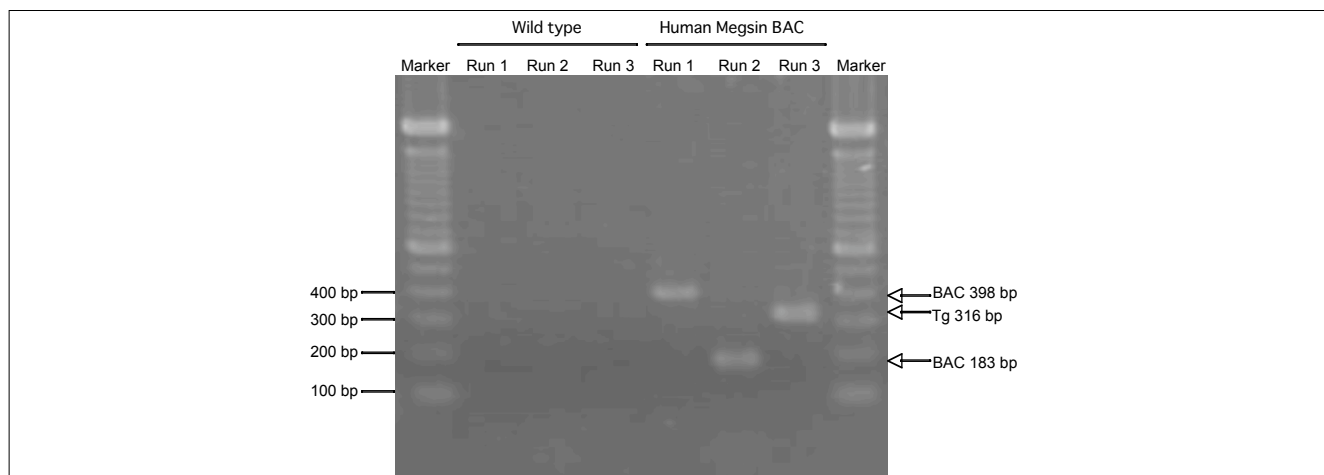
Reaction Components

Enzyme	Run1, 2: Roche Taq (Cat. No. BM1418432)
	Run3: TaKaRa Ex Taq

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		17.3	17.3	17.3
PCR buffer	10 X	2.5	2.5	2.5
dNTP	2.5 mM	2.0	2.0	2.0
primer 1	10 pmol/ μ l	1.0	0	0
primer 2	10 pmol/ μ l	1.0	0	0
primer 3	10 pmol/ μ l	0	1.0	0
primer 4	10 pmol/ μ l	0	1.0	0
primer 5	10 pmol/ μ l	0	0	1.0
primer 6	10 pmol/ μ l	0	0	1.0
DNA		1.0	1.0	1.0
Taq		0.2	0.2	0.2
total		25	25	25

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	30*	*Repeat for 35 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set	product_size	product
primer 1	398 bp	BAC
primer 3	183 bp	BAC
primer 5	316 bp	Tg (hMegin)

Comment