

beta-Sarcoglycan PCR

Page 1 of 2

beta-Sarcoglycan: WT reaction

DATE:

SAMPLES:

49 µl Mix / tube	PCR buffer	10 x	1x	x 2.5 =
	MgCl ₂	25 mM	1 mM	x 1 =
	primer # 561	20 µM	0.4 µM	x 0.5 =
	primer # 1272	20 µM	0.4 µM	x 0.5 =
	dNTP	10 mM	0.2 mM	x 0.5 =
	Taq	5U / µl	0.5 µl / 50 µl	x 0.25 =
	H ₂ O		up to 49 µl	x 19.25 =

1µl tall DNA / tube (MAKE SURE DNA IS DILUTED ENOUGH - TRANSPARENT SUSPENSION)

94° C 5 min
 94° C 1 min
 54° C 1 min } x 35
 72° C 50 sec
 72° C 5 min
 15° C for ever

1.5 % agarose gel
 TAE 1x - 125V - 15 min
 15 µl PCR product / lane

WT = 500 bp
 Use heterozygous as a ⊕ control

Primer # 561 = BSU4 (exon 4)
 Primer # 1272 = BSL5 (exon 5)

AGC GAC ATC GGG ATG CAG TT
 CTC CAC ATC TCC TCC CAT GT

beta-Sarcoglycan PCR

Page 2 of 2

beta-Sarcoglycan: KO reaction

DATE:

SAMPLES:

49 μ l Mix / tube	PCR buffer	10 x	1x	x 2.5 =
	MgCl ₂	25 mM	1 mM	x 1 =
	primer # 1744	20 μ M	0.4 μ M	x 0.5 =
	primer # 2465	20 μ M	0.4 μ M	x 0.5 =
	dNTP	10 mM	0.2 mM	x 0.5 =
	TAQ	5U / μ l	0.5 μ l / 50 μ l	x 0.25 =
	H ₂ O		up to 49 μ l	x 19.25 =

1 μ l tail DNA / tube (MAKE SURE DNA IS DILUTED ENOUGH – TRANSPARENT SUSPENSION)

94° C 5 min
 94° C 1 min
 61° C 1 min } x 35
 72° C 50 sec
 72° C 5 min
 15° C for ever

1.5 % agarose gel
 TAE 1x - 125V – 15 min
 15 μ l PCR product / lane

KO = 350 bp
 Use heterozygous as a \oplus control

Primer # 1744 = neoU (neo)
 Primer # 2465 = BSLF (3' UTR)

GCC TGA AGA ACG AGA TCA GC
 CAG GAC AGT GCT CAG CAA GA