

## IGF-1R/loxP PCR PROTOCOL

Oligonucleotide Sequence: 5'  $\diamond$  3'

(188) M $\beta$ Cx7 For	GATGTGCTCCAGGCTAAAGTT
(189) M $\beta$ Cx7 Rev	AGAAACGGAATGTTGTGGAGT
(345) RLmt	ATCTTGGAGTGGTGGGTCTGTTC
(346) RLvl	ATGAATGCTGGTGAGGGTTGTCTT

### PCR Mix:

Component	Volume ( $\mu$ L)
Tail DNA	5.00
10x Taq Buffer	5.00
10 mM dNTP Mix	1.00
25 mM MgCl	5.00
MbCx7 For	1.25
MbCx7 Rev	1.25
RLmt For	1.25
RLvl Rev	1.25
Taq Polymerase	0.50
ddH <sub>2</sub> O	28.50
Total	50.00

### Thermocycler Profile: IGF1R-FL

94 C for 2 min  
 94 C for 45 sec  
 50 C for 45 sec  
 72 C for 1 min  
 ----- $\diamond$  x 34 Cycles  
 72 C for 7 min  
 4 C for 5 min

## IGF-1R/loxP PCR Screening

### Gel Analysis:

2% agarose gel  
15 $\mu$ l per lane

### Expected Results:

WT	271 bp
IGF1R lox	327 bp
Recombined	202 bp