

# PCR protocol

**RBRC01151**      **Strain name** hairy and enhancer of split-related 1

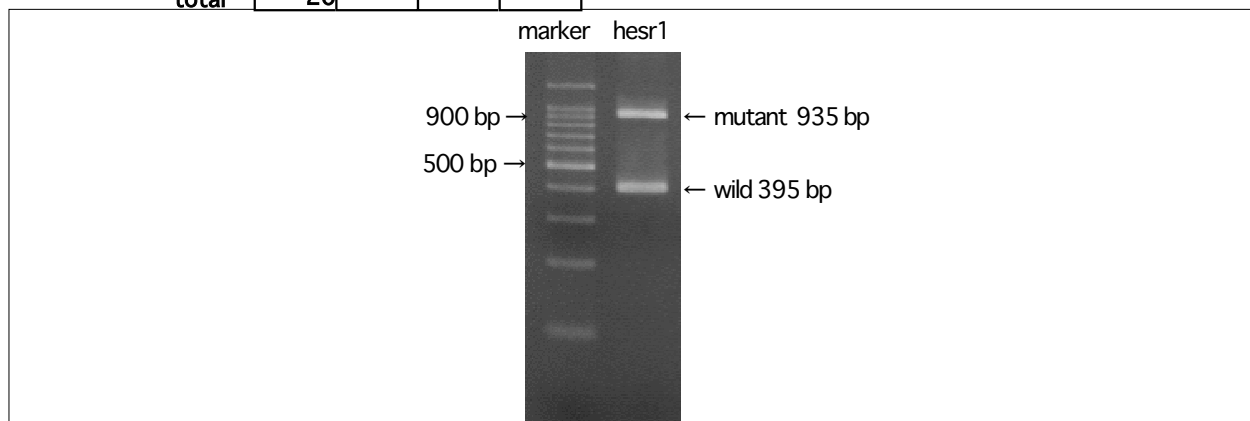
Primer	primer_name	primer_seq	length	
1	hesr1FF714	CCCTCCCCTCCGTGCTTCTAACCTCAT	27	Dev Biol., 278, 301-309 (2005).
2	hesr1RR1084	CTCTCCCCACCCCACAAAGCAAAGCAG	27	Dev Biol., 278, 301-309 (2005).
3	NEO6	CGACCACCAAGGCGAAACATC	21	Dev Biol., 278, 301-309 (2005).

**Reaction Components**
**Enzyme** QIAGEN Multiplex PCR Kit (Cat. No. 206143)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		6.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Master Mix	2 X	10.0			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	90*	*Repeat for 30 cycles
5	72	600	



**Marker**  
100 bp DNA Ladder (TAKARA, Cat. 3407A)

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

PCR products		product_size	product
primer_set	primer_set		
primer 2	primer 3	935 bp	KO
primer 1	primer 2	395 bp	WT

**Comment**