

	<b>TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN</b>	<b>BM-DRF-002</b>
	<b>FICHE PROTOCOLE GENOTYPAGE</b>	<b>22/10/2013</b> <b>Page : 1/1</b>

STRAIN NAME :

**Magel2 KO**

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Sigma)
- Primers 30µM (Eurofins)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX :

MIX	Quantity / well
Water	6,60 µl
2X Kapa Buffer	10,00 µl
MAGEL2WTF	0,40 µl
MAGEL2KOF	0,30 µl
MAGEL2KOR	0,70 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

3 min	95°C	
15 sec	94°C	35 cycles
15 sec	60°C	
30 sec	72°C	
5 min	72°C	

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- |             |                            |
|-------------|----------------------------|
| - MAGEL2WTF | 5' GATCACGTATGGCTCCATCA 3' |
| - MAGEL2KOF | 5' CCCTGGGTTGACTGACTCAT 3' |
| - MAGEL2KOR | 5' TCTTCTTCTGGTGGCTTTG     |

EXPECTED AMPLIFICATIONS

WT allele (+) : 524 bp  
 KO allele (o) : 314 bp

*Perfection date : 02/02/2024*

*Update :*