

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

STRAIN NAME :

AMPK alpha1

REAGENTS AND SOLUTIONS:

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

REACTION MIX :

MIX	Quantity / well
Water	6,40 µl
2X Kapa Buffer	10,00 µl
IRES Fa2	0,30 µl
3.0 Ra1	0,30 µl
alpha1 WT F	0,50 µl
alpha1 WT R	0,50 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

- | | |
|---------------|---------------------------------|
| - IRES Fa2 | 5' GGGCTGCAGGAATTCGATATCAAGC 3' |
| - 3.0 Ra1 | 5' CCTTCCTGAAATGACTTCTGGTGC 3' |
| - alpha1 WT F | 5' AGCCGACTTTGGTAAGGATG 3' |
| - alpha1 WT R | 5' CCCACTTCCATTTTCTCCA 3' |

EXPECTED AMPLIFICATIONS

WT allele : 450 bp
Modified allele: 350 bp

Perfection date : 25/05/2012

Update :