

STRAIN NAME:**AMPK alpha2 KO****REAGENTS AND SOLUTIONS:**

- Taq polymerase 10X Buffer (1,5 mM MgCl₂) (MP QBiogene)
- dNTP (MPQ Biogene)
- Primers (Invitrogen)
- Taq polymerase (MPQBiogene)
- Mineral oil (EUROBIO)

REACTION MIX:

- Taq Buffer 1X
- dNTP (0,4 mM total)
- primer lox F1 (0,36 μM)
- primer lox R1 (0,18 μM)
- primer KOT neoR (0,18 μM)
- Taq polymerase (40U/ml)
- DNA

PROGRAM:

5 min	94°C	
30 sec	94°C	
30 sec	60°C	35 cycles
1 min	72°C	
5 min	72°C	

MIGRATION :

Migration of the samples on a 1.5% agarose gel.

PRIMERS SEQUENCES

- Primer lox F1 5' GCTTAGCACGTTACCCTGGATGG 3'
- Primer lox R1 5' GTTATCAGCCCAACTAATTACAC 3'
- Primer KOT neoR 5' GCATTGAACCACAGTCCTTCCTC 3'

AMPLIFICATION

Mutant allele : 600 bp
WT allele : 200 bp