



Welcome to The Genotyping Protocol System

Master Protocol

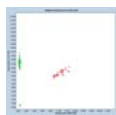
Strain Name: C57BL/6NJ-Cdkn3^{em1}J/J
Stock Number: 029561
Allele: Cdkn3^{em1}J
Protocol Name: Cdkn3^{em1}J
Method: Probe
Created: 15-August -2016 (LUCASM) **Updated:** 03-December -2016 (ESCHAAB)

Notes

Notes: Taqman qPCR protocols are run on a real time PCR instrument. Use an appropriate instrument specific Fluorophore/Quencher combination. The transgene genotype is determined by comparing ΔC_t values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results: Muant= 197 bp
Wild Type = 186 bp

Attachments



View [cdkn3 JW.jpg](#)

- View [Cdkn3 genomic.gcs](#)
- View [Cdkn3em1j_in progress 8-11-16.docx](#)

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29183	-	CTG ATA GCC CAG ATT AAT GAC TGA	-	Common	A
29184	-	TCA TCA ACA GGT TCT TCG TCT G	-	Wild type Reverse	A
29185	-	TGC CTC TGC TGG GAT TAA AG	-	Mutant Reverse	A
29188	6-FAM	ACC ATC TGG GTG GTG GTA GC	Black Hole Quencher 1	MUT Probe	-
29189	Hex	AGC CCA TTT CAA TAC AAG CA	Black Hole Quencher 1	WT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
29185	.4 uM	3	60	30sec	-
29184	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29183	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				

Reaction A (Endpoint 3 primer)

Mutant Probe	.15 uM
DNA	

Version 3.2