



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-*Rab40b*<sup>em1J</sup>J  
**Stock Number:** 029636  
**Allele:** Rab40b<sup>em1J</sup>  
**Protocol Name:** Rab40b<sup>em1J</sup> Alternate1  
**Method:** Probe  
**Created:** 19-December -2016 (LUCASM) **Updated:** 19-December -2016 (LUCASM)

## 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  $\Delta C_t$  values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results: Mutant= 107 bp  
 Wild Type = 102 bp

## Sequence

Sequence

```

ttcagggtctcacaacaactgctgtgaactgtagctatacaatgtggaacctgttctcttcagtgcaacagttcacatgctcatagt
tctgttatgggtgatacatccagcCAAaaacctaaaggtgtcctcaaccttttgagGAATTGAT

CACAAAGACGACCACCATCCTGCTAGATGGCCGAAGGGTGAACTGCAGCTTTGgtgagttgg
gggctattctagtcgggatgccagtcagtcctagagccatggcccttagtgccagcttgagctggtgg

cttctcgggaaggTGCtgacgcagttgtctgggtccactgaatctcattacccattgttaagaggatgtgtaccaagggctaa
gctgtgtccaagaagagacctgtgtgatagaaggcacctcattgttacctgcttctgttcaactca

cctgggtgcatcagggatagaagtagagtgaccaggacagcccagttctccattcctggttctgattgtaccatg

```

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29685	-	GCC CTT AGT GCC AGC TTG AG	-	Wild type Forward	-
29686	-	CAC ACA TCC TCT TGA ACA ATG G	-	Common	-
29688	Hex	TGA GCT GGT GGC TTT CC	Black Hole Quencher 1	WT Probe	-
29689	6-FAM	TGC TTC ATA GTT CTG TTA TGG GTG A	Black Hole Quencher 1	MUT Probe	-
31148	-	GCA ACA GTT TCA CAT GCT TCA	-	Mutant Forward	-

Number Of Reactions 1

Version 3.2