



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-*Gas7<sup>em1J</sup>*J  
**Stock Number:** 029611  
**Allele:** *Gas7<sup>em1J</sup>* Probe  
**Protocol Name:** *Gas7<sup>em1J</sup>* Probe  
**Method:** Probe  
**Created:** 09-September-2016 (LUCASM) **Updated:** 10-December -2016 (ESCHAAB)

## Notes

TGS Design LM 9-9-16  
 >chr11:67456904+67456994 91bp ACCTAGCTCAGGGAAGATGG GAACTGTTAGGACAGCCCAGAG  
  
 Validator: DJL Date: 12-9-16 Req: 371211  
 Notes: Charge Assay Fee: Yes  
 Production-worthy: x  
 Some potential: x  
 Failed: x  
 Mut= 88 bp  
 Expected Results: Wt= 91 bp

## Attachments



View [Gas7-29611 EP.jpg](#)

- View [Gas7 genomic.gcs](#)
- View [Gas7em1j\\_in progress 8-22-16.docx](#)

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29610	-	ACC TAG CTC AGG GAA GAT GG	-	Wild type Forward	A
29611	-	GAA CTG TTA GGA CAG CCC AGA G	-	Common	A
29612	-	GGC TGC CAG AAA CTA GAG ACA	-	Mutant Forward	A
29615	Hex	ACA ATG GCC CTT TTC TGC T	Black Hole Quencher 1	WT Probe	-
29616	6-FAM	CTC CAT TCA TTC CTA GCT CTT AGC	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer) Cycling (EndPoint)

<b>Reaction A (Endpoint 3 primer)</b>		<b>Cycling (EndPoint)</b>			
<b>Component</b>	<b>Final Concentration</b>	<b>Step #</b>	<b>Temp°C</b>	<b>Time</b>	<b>Note</b>
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
29611	.4 uM	3	60	30sec	-
29610	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29612	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				
DNA					

Version 3.2