



## ***kcnj6*<sup>ihb446/+ (AB)</sup> (CZRC catalog ID: CZ1395)**

### **Nature of the mutation**

10bp deletion , Between 330bp to 340bp of the wild-type *kcnj6* coding sequence, TCGAGGAGAT is deleted in exon1.

### **Sense Strand Sequence**

**GTCCGCAAAGACGGCAAGT**GCAACGTGCACCACGGAAACGTGCGGGAGACCTAC  
CGCTACCTGACGGACATCTTACCACGCTGGTGGACCTCAAGTGGAGGTTCAACC  
TGTTTCATCTTCGTGCTGGTCTACACCGTCACCTGGCTGTTCTTCGGCTTCATGTGG  
**TGGCTGATCGCCTACATTCG**AGGAGATCTGGAGCACATCGGAGACAACCAGTGG  
ACTCCCTGCGTCAACAACCTGAACGGCTTCGTGTCCGCATTCTGTTCTCGATAGA  
GACTGAGACCACCATCGGCTACGGCCACCGCGTCATCACCGACAAGTGTCCGGA  
GGGCATCGTGCTGCTGCTGGTGCAGTCGGTGGCTGGGCTCCATCGTCAACGCCTTC  
ATGGTGGGCTGCATGTTTCGTCAAGATCTCGCAGCCCAAGAAGCGCGCCGAGACG  
CTGGTCT**TTCTCCACCAACGCCGTC**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1395\_forward:5'- GTCCGCAAAGACGGCAAGT -3'

CZ1395\_reverse:5'- GACGGCGTTGGTGGAGAA -3'

#### **PCR program:**

95°C	5min	}	30 cycles
95°C	30sec		
65°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

**Product size: 462bp**

### **Reference**

None

