



## ***kras*<sup>ihb384/+</sup> (CZRC catalog ID: CZ1336)**

### **Nature of the mutation**

Between 151 bp to 154 bp of the wild-type *kras* coding sequence, TGTC is mutated to GAGAGACG in exon 3.

### **Sense Strand Sequence**

gcagatgaacttgtagggcactcaacattcatggtgtcaagaccagacctaataaactaatcggatgaatattgtacaaggatctatgctaaatgcgcttgtttgtgcatacatgtgatggtgtttttattcagctcaaagaatataatttggctgatgcagGACTCGTACAGG AAGCAGGTGGTGATTGACGGAGAGACGTGTCTACTGGACATCCTGGACACTGCAG GTCAGGAGGAGTACAGTGCCATGAGGGACCAGTACATGAGGACAGGAGAGGGCT TCCTCTGTGTCTTTGCCATCAATAACACCAAGTCCTTCGAGGACATTCACCACTAC AGgtgagggttgctagaacagatggagtgcagtctcgaaacttcagaaacgaggctgtgaaaagtagagaacgacagggcata act

**Uppercase:** Exon/coding sequence

**Lowercase:** intron/noncoding sequence

**atcg:** Forward/Reverse primer

**atcg :** Crispr/cas9 target site

### **Genotyping assay**

#### **Primers:**

***kras*\_forward:** 5' GCAGATGAACTTGTTAGGGC 3'

***kras*\_reverse:** 5' AGTTATGCCCTGTCGTTCTC 3'

#### **PCR program:**

95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

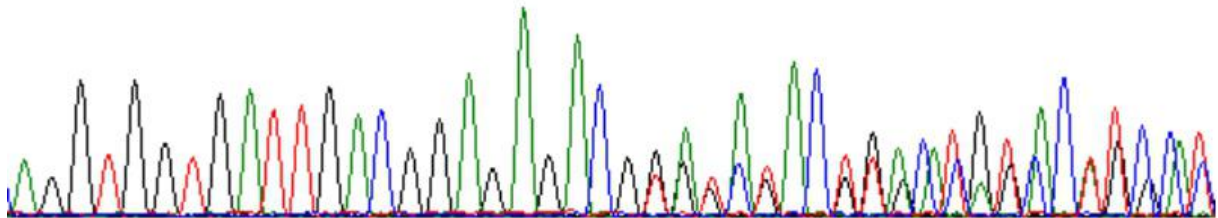
**Product size: 431 bp**





**The sequencing results of the CZ1336:**

150                      160                      170                      180                      190  
A G G T G G T G A T T G A C G G A G A G A C G G A T A T A C T G A C T G T A C T T C C T



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WT          GACTCGTACAGGAAGCAGGTGGTGAATTGACGGAGAGACG----TGTCTACTGGACATCCT
ihb384      GACTCGTACAGGAAGCAGGTGGTGAATTGACGGAGAGACGGAGAGACGTAAGTACTGGACATCCT
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WT          GGACACTGCAGGTCAGGAGGAGTACAGTGCCATGAGGGACCAGTACATGAGGACAGGAGA
ihb384      GGACACTGCAGGTCAGGAGGAGTACAGTGCCATGAGGGACCAGTACATGAGGACAGGAGA
*****

WT          GGGCTTCCTCTGTGT
ihb384      GGGCTTCCTCTGTGT
*****

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**Reference:**

None

