



## ***rag1*<sup>ihb479/+</sup> (CZRC catalog ID: CZ1428)**

### **Nature of the mutation**

2bp deletion, Between 33bp to 40bp of the wild-type *rag1* coding sequence, GG is deleted in exon3.

### **Sense Strand Sequence**

**GTGGCATTGCAATACAGAAGG**CTAAAGGTCCATCACATGAAGTTCAGGGGG  
TTTTGGAGGAGTCAAGCAGATGTGCCTTACGCAGGATGGGCTGCAAGCTGGTGAC  
CTGGCCGGAGGTGATCTTGAAGGTCTTCAAGGTGGATGTGACAACCGATATGGAG  
ACGGTTCATCCGTCCTTTGTTTTGTCACAGGTGCT**GGACTGCTGCCATAAGGGGAG**  
GGGGTTTCTGTTCCCTTACCAATACCCGAATCCAGACTGGAAGCCCCACACCTC  
TCAATGCAACCTTTGCTTCCCTAAAAAGAGCTCTTTTCAGCG**GGTAGGAAAGAAG**  
CGGACTAAACCACTTAAAAGTGCACACATCCTTCCTAAGAGATTCAGGAG**GGACT**  
**CGTCAGAATCCTCAAG**GCTgtaagtacatctattttcgaattactgtataaaatgcccgtgaatgtatctgggtaata  
ataacct**gggggtgttcaattctgtcc**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1428forward: 5' GTGGCATTGCAATACAGAAGG 3'

CZ1428reverse: 5' CTTGAGGATTCTGACGAGTCC 3'

#### **PCR program:**

95°C	5min	}	30 cycles
95°C	30sec		
56°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

**Product size: 397bp**





国家水生生物种质资源库国家斑马鱼资源中心  
China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

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## Reference

None

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