



## ***egr1<sup>ihb423/+</sup> (AB)* (CZRC catalog ID: CZ1366)**

### **Nature of the mutation**

20bp deletion , Between 134bp to 154bp of the wild-type *egr1* coding sequence, TTCTCAACGCCACAGCACCT is deleted in exon1.

### **Sense Strand Sequence**

ggagtcagacatcgcagcatcttcacatttgcgtcccagaggggtagctgctgatttccagcacaattctctctccgagcacact  
ccagagagATGGCTGCAGCCAAGACAGAGATGCTCCTGCCTGCTCTGCAGATCTCCGA  
CCCCTTGAGCTTCCCTCACTCCCCACGGATAACTACCCAAGTTGGAGGAGATGA  
TCATGCTGAACTCTGCAGGGACCC**CCTTTCTCAACGCCACAGCA**CCTGAAGGCGC  
TGTTTTTGGCTCCGGGGAGCCCGGGGAGCAGTTTGATCACCTTGCTGGAGgtaagcact  
aaatccctcttgataaattgcatgctgcttcataactagattgcaagagttgcatgtgcataaaaatgctgacattaaataagtaataa  
tgtgttatgataaattgataatgctctctcatttaataataaagttatacatggtggagttatttaataatgtgtataaataatattgcat  
cgatgtaaagtaaaatatacatttaataaagctgacagcagttaatatggagtcactgtaaagctaaggaatgaatgaagcatttaag  
agaatagcttcattttaaaccagctttcagcttttaagtgcaatttgaataaatttaagctgtgcaaatgtgaaa**aagggatcaggatg**  
**tgagtaagg**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1366\_forward:5'- ggagtcagacatcgcagcatctt -3'

CZ1366\_reverse:5'- ccttactcacatcctgatccctt -3'

#### **PCR program:**

95°C	5min	}	30 cycles
95°C	30sec		
60°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

**Product size: 708bp**

### **Reference**

None

