



## ***grip2a*<sup>ihb476/+</sup> (CZRC catalog ID: CZ1425)**

### **Nature of the mutation**

5bp deletion, Between 79bp to 84bp of the wild-type *grip2a* coding sequence, CAGGC is deleted in exon9.

### **Sense Strand Sequence**

ttctgtctttgtttgttcagATGAATTGGAGTCATCCGGTTCAGTCATATTCACAGTAGAGCTGA  
AAAGACACGGCGGCCCTCTTGAATAACCAATTCAGGCACTGAAGAGCCCTTCAA  
TCCCATCTGATCTCTAGCCTGACCCGCAACGGCCTCGCTCACAGgtgcacacaaacgcgca  
tgaataaacacacactcagatctgcgagttgcataacatccccttgacatcatgagagcatgagatatctagtccacagtgtgggaac  
tgcagtgtaatatgtttaactacattaatggagttgtattatitaaataggccaaactaggcttaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1425\_forward: 5'- ttctgtctttgtttgttc -3'

CZ1425\_reverse: 5'- ttaagcctagttggcctat -3'

#### **PCR program:**

|      |       |   |           |
|------|-------|---|-----------|
| 95°C | 5min  | } | 30 cycles |
| 95°C | 30sec |   |           |
| 58°C | 30sec |   |           |
| 72°C | 30sec |   |           |
| 95°C | 10min |   |           |
| 4°C  | hold  |   |           |

**Product size: 342bp**

### **Reference**

None

