

## ZK0370

Target Position: exon 2

Sense Strand Sequence

GATAAAGCCCTTCTCATCTTCC T GACTGTCAACAAAGTGATAACTGATAGCGTGTGCTGTGTTG  
TTGATTAGCCTGACCTTGTATGCATGGTAAACTGATTTGTGTTTGTGTTCCAGGATGGTCT  
AAACCG GTTATCACTCCTGATGCCCCCATCTGGTGATTCTTAAAGGTAAACAACTGTATCTCC  
GCTGTCACGATGATGCAGATGTGAACGCAGGCAGGGT GCGATGGCTCCGGGATAAAGGTCG  
GAGAATTGAAGGAGAGCTAAAGGATGATGAAGCCAGTGTCATTCTCCTCAACATCACAGAAA  
CGCAGCATATGGGCAATTACACCTGTGAGAACACAGAACTGAAGAGAAGAGCTCTATTAC  
ATTTAT GTGAAAGGTGAGTTTGAATCAG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0370a: 11bp deletion

CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

```
WT          TGTGTTGTTTGTGTTCCAGGATGGTCTAAACCGTTATCACTCCTGATGCCCCCATCT
ZK0370a     TGTGTTGTTTGTGTTCCAGGATGGTCTA-----ACTCCTGATGCCCCCATCT
            *****                               *****

WT          GGTGATTCTTA
ZK0370a     GGTGATTCTTA
            *****
```

### ZK0370b:16bp deletion

CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

```
WT          TTTGTTGTGTTCCAGGATGGTCTAAACCGTTATCACTCCTGATGCCCCCATCTGGTG
ZK0370b     TTTGTTGTGTTCCAGGATGGTCTAAACC-----GCCCCCATCTGGTG
            *****                               *****

WT          ATTCTTAAAGGTAAAC
ZK0370b     ATTCTTAAAGGTAAAC
            *****
```