

## ZKO155

Target Position: exon1

Sense Strand Sequence

```
AGAGTCAAGAGCGGCATTAACA GGCGAGTATCTTCACGCTGGAGGAGTGC GCGCGCATCG
AGGCCAAGATAGACGAGGTGGTCGCCAAGGCAGACAAGGGGCTGTACCGGGAGCACACGG
TGGACCGGGCGCCCCTGCGAAACAAGTACTTTTTTCGGGGAGGGGTACACGTACGGCGCGCA
GCTGGAGAAGCGCGGACCCGGGC AGGAGCGGCTGTACTCCAAGGAGAGGTGGACGATAT
CCCGGACTGGGTGCACGAGCTGGTCATCGATCGCCTCGTGACGCACGGTGTATCCCGGAGG
GTTTTGTAAATAGCGCTGTGATCAATGACTACCAGCCCGGAGGCTGCATCGTGTCCACGTGG
ATCCCATCCACATCTTTGAGCGGCCA ATAGTGTCCGTGTCCTTCTTCAG
```

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO155a: 19bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

```
WT          CGGCGCGCAGCTGGAGAAGCGCGGACCCGGGCAGGAGCGGCTGTACTCCAAGGAGAGGT
ZKO155a     CGGCGCGCAGCTGGAGAAGC-----GCTGTACTCCAAGGAGAGGT
            *****                               *****
```

### ZKO155b: 2bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

```
WT          CGGCGCGCAGCTGGAGAAGCGCGGACCCGGGCAGGAGCGGCTGTACTCCAAGGAGAGGT
ZKO155b     CGGCGCGCAGCTGGAGAAGCGCGGACC--GGCAGGAGCGGCTGTACTCCAAGGAGAGGT
            *****                               *****
```