

## ZKO797

Target Position: exon 1

Sense Strand Sequence

GGTCTGTACCTAAAGTGGCCGCTAAGGAAGCCCCCTGGGCTGATACTGTGCTCCCTGGGCATT  
GTTCTGAAAATAGTTCCTTTGGTGGGGGGGAGCTGTCCGAGGCTGTGCCGATGCGACAACAA  
GCAGTTGTATTGTGAGGGACTCAACCTGACAGATATCCCCAAAACCTGAGCAGCGCCATTG  
GTTTGTCCCTACGTGAGAATAACATCTCTGAGCTGCGGGAAGGGAACTTTGTGGGCCTGTCA  
CAGCTTACCTGGCTCTACTTGGATCATAACAATATTGAGATTGTCGAGGAGAGTGCTTTTGGAG  
AGGCTGCGAAGGATTAAGAGCTGGATCTGAGCACCAACCGTATAGAAAGTCTGCCCAACGG  
GACCTTTAGACCTCTGCCAATCTGCGAATACTGGATTATCCTATAACAGACTTCAGTCCTTGG  
AGCCA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO797a: 22bp deletion, 5bp insertion

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

```
WT          GTTTGTCCCTACGTGAGAATAACATCTCTGAGCTGCGGGAAGGGAACTTTGTGGGCCTGT
ZKO797a     GTTTGTCCCTACGTGAGAATAACATCTC-----ACGTAGTGGGCCTGT
          *****
          ** * *****
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