

## ZKO557

Target Position: exon 1

Sense Strand Sequence

GAATACGGACTGCAAGTGAAGGGGAAGGTACCATGATCAGGCCAGTCTCTGTATCAGTATCTG  
AGAATGGAAGCCCAATGACTGTTGGCCGGCACCACATGAGTAGATCTAATACTGTTTCAGTAG  
GCTGTCCGACATCAGAACCATCACTACTTAATCACAGCAGGTCCATGTCTATGACCATGTACCA  
CTCTCCCCATCTGTTGTAAGTCCACTAAGTTTGTCTTCAATCAGTATGAATGGTTCTATCTCAA  
ACAAAGCACACAGACCTTCCAGCTGTAGTGGTTCTGTTTCTGGGTCACCAAATGATTTTGGCT  
TTTTAACGTGTGAGGATTACAGTTCCAGCCAGGGGATGTGAGGTACAACCTAGCAAACAGG  
AGTGACACTCCTTCTTCTCTGTCCAGCACACCACCCTT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO557a: 5bp deletion

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

```
WT          CTTTTAACGTGTGAGGATTACAGTTCCAGCCAGGGGATGTGAGGTACAACCTAGCAA
ZKO557a     CTTTTAACGTGTGAGGATTACAGTT-----CCAGGGGATGTGAGGTACAACCTAGCAA
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