

ZKO255

Target Position: exon 5

Sense Strand Sequence

ctgattttgtgttcctgtgcacctgccccgttcgaaaaacctcaaaacaagcactatattgtatatgagaaattcattataaa
tgcatatgtttgcatagAGACAATGAAGTAAAGCACAAAGCTAATATCTCGCACGGAAGCGAAAAAG
AATTACCTCCTGAA**GGACTGTGATCTGGATAAGA**GGGAGCCACCGCTGCGATTCATCCTGAGG
AAAAATCCTCACAAATCCACGCTGGGGAGACATGAAACTCTACTTAAAGACACAGgtagggtcaac
acatcctctggacagagattgacattaacctgatcttattcaaccctaaatattaaactcaaatcatgtcttaaataagct
ggtacataattattacatttttaacacaattttttctgtacaactagctgcaataattatggctgaaaaattatggtatat
ttaaaacattttctcaaaaacaggtactgtccggatgccatctgttttattagctcttacatgcactacctgacaaaag**gtc**
ttgttcctatctcagtttt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO255a:28bp deletion

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

```
WT          ATTACCTCCTGAAGGACTGTGATCTGGATAAGAGGGAGCCACCGCTGCGATTCATCCTGA
ZKO255a     ATTACCTCCTGAAGGA-----CTGCGATTCATCCTGA
              *****                               *****
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ZKO255b: 5bp deletion

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

```
WT          ATTACCTCCTGAAGGACTGTGATCTGGATAAGAGGGAGCCACCGCTGCGATTCATCCTGA
ZKO255b     ATTACCTCCTGAAGGACTGTGATCTGGATA----GAGCCACCGCTGCGATTCATCCTGA
              *****                               *****
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