

ZKO250

Target Position: exon 13

Sense Strand Sequence

cgctgttcagtcgcttctgcaataagaactgaattactgatgaaaaattgaaatcaacaactacttctggtagtggttaat
atthtgccttgctggtaaatgtactggaaaaattaagtctgaaaacattgattaatgctgacactgcaagactgcc
gaatttagtcatgactaacatatttttgccttcagGTTATATGGATTGGAGTAAACA **GAGACTTGTGCG**
ACGAATCCTGGAGCTTGAAAAGgtttttatgttactcaaactttattcgaaaactgaagatcaaagtatcata
aaaagtcattcattatctcattttttcagAGATTGGAAAGGATGAAAATCTTCAGATCACCAAAGCGT
CACAAAAGAGCCTAGACGATACAGAATCAACGAATCAGAATGCAGAG **ACCGAGCCATCTATG**
ATTAC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO250a: 6bp deletion,+1bp insertion

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

```
WT          GCTTTCAGGTTATATGGATTGGAGTAAACAGAGACTTGTGCGACGAATCCTGGAGCTTGA
ZKO250a     GCTTTCAGGTTATATGGATTGGAGTAAACAGAGACTTGTGCGAC-----TTGGAGCTTGA
            *****
            .*****

WT          AAAGGTTTTTATGTTACTTC
ZKO250a     AAAGGTTTTTATGTTACTTC
            *****
```