

## ZKO387

Target Position: exon 5

Sense Strand Sequence

ggacaaactgcaccaatgtactgctgtttccaaaaggctcggaacaactggaaaaatccgaactagtgaagaa  
cacacactgataatacaggaataaagacacatgagcatcattctgatgaggcaacatatatcgatgtaaactgtgtgat  
tgacttcagGATAAATCTCGGAGTCTGGCTGCATGTGCTGTCCGTCCTGTTGACAGAGGGTTC  
TGAAGTTTCATGGTGGGGTCTTCTCTGTTTCAGACTGTGGCTCATGTGGCTATCCAGGCTGC  
AGCCTGTTCTGGCTGTGTACACGTGTGCGGGTCTTAATATCCTCACCTTCAAGGAGGAATT  
ACAAACTATCCTCTCTTCTGTTGCAAAAGTAAGTGTATGTTATCGGGAGTGTAcataccat  
ctcatactattcatgaaacagccccataccttcattcactattccgtgcttttgcgactttttgcactttgatggtgataaa  
tccc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO387a: 5bp deletion, 1bp insertion

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

```
WT          tgtgtgattgacttcagGATAAATCTCGGAGTCTGGCTGCATGTGCTGTCCGTCCTGTTGACAGAGGGTTC
ZKO387a     tgtgtgattgacttcagGATAAATCTT-----TCTGGCTGCATGTGCTGTCCGTCCTGTTGACAGAGGGTTC
*****.*****
```