

## ZKO356

Target Position: exon 2

Sense Strand Sequence

AGGGTTTACGTTCCCGAAGCCCCCGTCCAGTTAAGAGATGCCATTGCAGCAATATTAGCAGGA  
ACAGCAGAAGCAGTTTTGACACCATTGAGAGGGTGCAAACCTACTGCAGGACCCTCGCCA  
TCATGGGAACTTTCAAACACTGCACACATTTCCGTGTTTTGCTACAGCAACATGGCTTTCTA  
GAGCTGTACCGTGGCCTCGTCCCGATCCTGATCAGAAATGGTCCCAGCAATGCTTTGTTTTTT  
GGTTTGCCTGGACCGATTAAGGAATTTCTCCCTGAAGTTGAGTCAAAGGCTGGGCATTTAATT  
AATGATTTTGTATGTGGAGGGATTTTGGGAGCAGGTCTCGGGGTGGTGTATCCTCTAAAT  
GTGGCCAAGTCTCATGCGCAGGTACAGATCGGAGGACCGTTTCAGTCTCCAGGGTGATTTT  
AGCCAGTGTTTTGAGAGAGAGGGATGGGAAAGTGAGCCGTCTGTTTCGG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO356a: 5bp deletion

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

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WT          CACATTTCCGTGTTTTGCTACAGCAACATGGCTTTCTAGAGCTGTACCGTGGCCTCGTC
ZKO356a     CACATTTCCGTGTTTTGCTACAGCAACATGGCTTTCTAGAG-----CCGTGGCCTCGTC
*****

WT          CCGATCCTGATCAGAAATGG
ZKO356a     CCGATCCTGATCAGAAATGG
*****
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