

## ZKO359

Target Position: exon 2

Sense Strand Sequence

GTTCCCAAGCGTGCTGATTTATGCGAGGACGCAGGGGCCAGCCAGCGGAATACGGGGGTT  
TGGAGGGGGGCCACAGCCTGGGCAGCACTAGACTCTCTGGAGCACTTGAAAGCTCCTCTGC  
GGCGTCTTTTTCCCCTCCCACTTCCCCTTTCTCTCCACCACCACCACCATCATCATCATCA  
CCCCATCCGGTAACTATGGAACCCCAAGGACTCGATCTCGATCGCGGTCTGGATTTTACCAT  
GGTGGATTATCTAACCCGAACGGTAATCCGGGAGTGGCGGTGGTGCCTAAGTCCAGCTGG  
AGGAATAAACCCACCATCACCTCCATCACCACCACCAACAGCAACAGCAATTTGGAGCTCATGG  
TCACACGGAAAACCTGCGCCACCCGGGAGCATGCTTTCCCAGGTGCCACAGACACGCAG  
GGCCTGGAGTGCA CAGGA ACTCTGGAGCAGgtaagataat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO359a: 3bp deletion, 5bp insertion

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

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WT          CCACCACCATCATCATCATCATCACCCCATCCGGT--AACTATGGAACCCCAAGGACT
ZKO359a     CCACCACCATCATCATCATCATCACCCCATCCTATGGA ACTATGGAACCCCAAGGACT
*****
WT          CGATCTCGATCGCGGTCTGGAT
ZKO359a     CGATCTCGATCGCGGTCTGGAT
*****
```