

## ZK0908

Target Position: exon 1

Sense Strand Sequence

**gagg**aatcaacccttcgtaa gctcatccaggatccaaaATGGGCGCCATCAAGTCCAAACGGTTTAAAAAG  
CCTCCTCAGGTGCTCATCATGGGCTTGGATTACAGCAGGAAAATCTACTTTAATGTACAGGCAG  
CTGCACGGGGTCATCATGCAGACCTCGCCCACCG**TGGGCTTCAATGTGGCGACC**CTCCAGCT  
GAACAAGAAGACCTCCCTGACCGTGTGGGACATTGGAGGGCAGGACACCATGAGGCCAAC  
TGGAAGTACTACCTGGAGGGATGCAAAGTGCTAGTGTTTCGTGGTGGACAGCAGTGATTACGC  
CAGGATCGGAGAAGCTCAGAAAGCCCTCAAGAAGATCCTGCACGATGAGCATCTTAAAGGG  
GTTCCCTGATGGTGTCTGGCCAACAAAAGGACCTGCCGAACACCATGACTATCAGAGAGGT  
GTCCACCAAGCTG**GATTGGACACTTACACGGAT**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg** : Forward/Reverse primer

**atcg** : cas9 target site

**ZK0908a**: 3bp deletion, 7bp insertion

CLUSTAL format alignment by MAFFT L-INS-i (v6.850b)

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WT          GGGGTCATCATGCAGACCTCGCCCACCGTG---GGCTTCAATGTGGCGACCTCCAGCT
ZK0908a     GGGGTCATCATGCAGACCTCGCCCACCGTGTTTGATTTTCAATGTGGCGACCTCCAGCT
*****.*****
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WT          GAACAAG
ZK0908a     GAACAAG
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