

## ZK0724

Target Position: exon 2

Sense Strand Sequence

aaacagggaaatgtgagggtggttcaaaccgaactgaactcccatcttctgaagagtgtttattattccttgaaaatg  
ttaaatagcacgtctcagaagaggataaagaaaggaaaatatgtaggatacaggcctgtttcacagattggccgtgca  
gctttgaggatatattgtctgttttgaaattgcactttgtcattccatacagGAAATGGTGGAAATGGTGGAAAA  
GGGGAACCGTATCCAGGCAGTCACTCTTTTCCATTAGAGAACAATGGATTTTCCAGGTCTTGA  
GGCCGTTAACATCAAGAACA AAAACTTAAACAATGGTAACTACTGTGTACTGATTGAACTATAT  
TAAGACGAAA ACTGTGGTTTATTGCCATTTGTGCAGTTGCATTCTCAAGCAACAACTAATCTA  
AAGCTACATAGCGGTTTAATCCCGATTCTAGTGTCCCTTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0724a: 6bp deletion, 1bp insertion

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

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WT          GAAATGGTGGAAATGGTGGAAAAGGGGAACCGTATCCAGGCAGTCACTCTTTTCCATTAG
ZK0724a     GAAATGGTGGAAATGGTGGAAAAGGGGA-----CTCCAGGCAGTCACTCTTTTCCATTAG
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