

ZKO496

Target Position: exon 5

Sense Strand Sequence

gcattaccacattcagatcatcttggtctctctttcagAATCTGGATGCATTACATGACCATCTGGGCACTATCT
ATCCTGGCATGCGTGCTCCCTCCTCCGCTGCACGGATGCAGAGAAGGGGAACAACCTTATTC
TCCACTATTACTCTGAGAGAGAGGGTCTTCAGGACATCGTCATAGGGATCATCAAGACGGTTG
CACAGCAGATTCACGGAAGTCTGAGATTGAGATGAAGggttgcttgagcattgatcatgatcacatacaaat
ttctggtagattaatggtcatattagtaatacacacaaaatcatattaaatataacaaaagctacgtttccatccacc
tattttatgctcatttggaaatacacataaaaaaatgggttgatggaaatgc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO496a: 8bp insertion

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

```
WT          CTCTGAGAGAGAGGGTCTTCAGGACATCG-----TCATAGGGATCATCAAGACGGTT
ZKO496a     CTCTGAGAGAGAGGGTCTTCAGGACATCGTATGGGGATCATAGGGATCATCAAGACGGTT
            *****                               *****
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ZKO496b: 1bp deletion

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

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WT          CTCTGAGAGAGAGGGTCTTCAGGACATCGTCATAGGGATCATCAAGACGGTTGCACAGCA
ZKO496b     CTCTGAGAGAGAGGGTCTTCAGGACATCGT-ATAGGGATCATCAAGACGGTTGCACAGCA
            ***** *****
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