

ZKO2

Target Position: exon 2

Sense Strand Sequence

GCTCTCGAGTCTCCATTACTGCCATTCAGCAGCAGgtaatacactacacgttcactgttcaccaccgaggag
atacagaccatgatgatgatgatgatgtggtgttcgagTGTTTCGTGCACAGAGATGAAGCTCACGAGGTG
TTGATCAGGAGCAAACGAGCCAACTCAGGCTGGTTTGA**GGAGCTGAAGACGGGGAAT**TGG
AGCGCGAGTGTCTGGAGGAGAAATGCTCGTATGAGGAGGCGCGCGAGGT**GTTTCGAGCACAC**
AGAGGCCACG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO2a: 7bp deletion

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

```
WT          GCTGGTTTGAGGAGCTGAAGACGGGGAATCTGGAGCGCGAGTGTCTGGAGGAGAAATGCT
ZKO2a      GCTGGTTTGAGGAGCTGAAGACGG-----GGAGCGCGAGTGTCTGGAGGAGAAATGCT
          *****
          *****
```