

CZ1222: *ihb322*

ctsl

Target Position: exon 2

Sense Strand Sequence

gcacctctatgcgacctc acatttgtctgatttcttttctctgtgcagGATGAGGGTTCT
GGTCGTTGCTGCTGCTTTTCTGGCTGTTGCCAGTGCTGCCAGTCTTTCTCTGGA **GGACAT**
GGAGTTTCACGCC TGGAAACTGAAGTTTGgtaagtctagcttttttcttagctgtagca
tattgcaggttctccttagtgactgcaataactaatt **caaaataggcaaggcaagt**

Uppercase: Exon/coding sequence
Lowercase: intron/noncoding sequence
atcg : Forward/Reverse primer
atcg : Cas9 target site

ihb322: 7bp insertion ,4bp deletion

>WT

CTGCCAGTCTTTCTCTGGAGGACATGGAGTTTCACGCCTGGAAACTGAAGTTTGGTAAGTCTAGC

> **ihb322**

CTGCCAGTCTTTCTCTGGAGGACATGGAGTTTCATTGAAGTTTGGAAACTGAAGTTTGGTAAGTCTAGC

WT	CTGCCAGTCTTTCTCTGGAGGACATGGAGTTTCAC—GCCTGGAAACTGAAGTTTGGT
ihb322	CTGCCAGTCTTTCTCTGGAGGACATGGAGTTTCATTGAAGTTTGGAAACTGAAGTTTGGT
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WT	AACTCTAGC
ihb322	AACTCTAGC
