

## *usp30<sup>ihb590/+</sup>* (CZRC catalog ID: CZ1580)

### Nature of the mutation

8bp deletion, Between 144bp to 151bp of the wild-type *usp30* coding sequence, ATGGGGGC is deleted in exon2.

### Sense Strand Sequence

Ctgtcttgacaacagatgtgaagttaactcttattggactacttgattcagtgtcagcatgaatcagctcttccatgct  
ttacttttcccccataaagtgtgtgtgtgtgaatgatggcttacagggtttgccagagagccaggcttaatgcaaacacag  
ctgtcaaggtcagagtcagctctgtctctccacaggtg**tcctctgtctgtct**ggttgccccacatttaaaacacttgat  
cgctctgttcagGAACAAGATGATGAAGAACTGGGGCGTGATTGGTGAATAGCT  
GCTGCCATGGCTGCT**GGAGTCTATGTACTATGG**GGGCCAATTCAGACAGG  
AGGAAGAAGAGAAAAGgtaaggtgtccaacctcattttatcaacccaattatccattatcgttctcttttct  
tgatcgagacacaattcactcacatgtttacctctttcttactgctgataaactggaatcgacagattagtaggtgagag  
acagtttaaggtcgctctgag**aatagaataatcaacagga**tgtgacggagcatgtcctcatcactccttgccaaacta  
attaacaaattagtatcagcagacgtc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crisper/cas9 target site

>WT:

GCCATGGCTGCTGGAGTCTATGTACT**ATGGGGG**CCAATTCAGACAGG  
AG

>CZ1580: 8bp deletion

GCCATGGCTGCTGGAGTCTATGTACTCAATTCAGACAGGAG



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