

A

Line WT, cDNA ATGGAAAGAGCTGCCTGAAATTTCAAAGAATTC**CGAACCGATATTACCATGTC**TGGTTTATTGAGAAATGCCCATATTTTGATTATGCACATGGAAAACCTTTTTGG  
 601 bp AATGAAAAATGTCATTTGACCTTAAACATAGTTTCAGTTGTAACCTATCTATTTCTTTGACTATGTATATGGGAAAAGTATT**TAGAGGAGAATTACAACCTTAGGAGTTGGCTT**  
 exon1 \* exon2: ATGTTATCAGCGTTTATGTCGTCAGTGACAAG \* GTAAGCTAATTTTTTTAAACTTTATTTCTTAAAATAGTGTATTGTTGAACAAACCATAACGGATTTTATTCTATTTGAC  
 AAAGCCAAAAATATTACTCTATCCTCTGCATTACTATTCAAACATCACGTCGACCTCGTTCTCAGGTCACAAAACCTCCAAATATACCAGAACATCCCAATTTCCCGTACATTTT  
 TCCTGCATATAATTTTCTCTAAATTCAAAGAACAAAAGACGTTTTCGCCAACGTTTTATATCAACACCTTGCATACGGAAACATGCTGTATACTCTTAACTGAACCTGAAAT  
 TCTCAGCCATCCTCAAAGGTTTCGGTTGTCGTCCTTTACAAGAAGGAAATAAGGGCTATAATCCT**GCAGCTGGGAGGTATGTGGAGG**ATGGAAACATCTAACTGAAATACAGA  
 TTAACAAGAAGAAT**ACGTTACTGAGGAGACTAAAGT**TCTGTTATGCAGTTTCTACTGGATTAATATGATTGGATCCTGGCAATACATACTGGCTCCTTTATTGGAACAGTTA  
 CCCGAAATTTATTTACTGCAGGAATGTGGGCTGTACTTCCATTTCTTGCAGCTTTCCTTTGATCCTACTGGGAACTGGGCAAGATATATCGGTGTATATATTTTGGAA  
 CTTACAGCA

B

	exon1 mutation	coding region indels	exon2 mutation
Line WT, $\Delta$ (NA):	GGGAAAAGTATT <b>TAGAGGAGAATTACAACCTTAGGAGTTGGCTT</b>	NA	GGGCTATAATCCT <b>GCAGCTGGGAGGTATGTGGAGG</b> ATGGAAACATCTAA
Line 38, $\Delta$ (420):	GGGAAAAGTATT <b>TAGAGGAGAATTACAA</b> .....	- 440 bp + 20 bp	..... <b>GGATTATTGGAGAATTATT</b> TGGAGGATGGAACATCTAA
Line 10, $\Delta$ (445):	GGGAAAAGTATT <b>TAGAGGAGAATTAC</b> .....	- 445 bp	.....AGGATGGAACATCTAA
Line 2, $\Delta$ (441):	GGGAAAAGTATT <b>TAGAGGAGAA</b> .....	- 446 bp + 5 bp	..... <b>GTATT</b> TGGAGGATGGAACATCTAA

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