

The long noncoding RNA HOTAIR activates the Hippo pathway by directly binding to SAV1 in renal cell carcinoma

MATERIALS AND METHODS

Primer Sequence for Quantitative Real time Polymerase Chain Reaction

HOTAIR: 5'-GGTAGAAAAAGCAACCACGAAGC-3'
Reverse: 5'-ACATAAACCTCTGTCTGTGAGTGCC-3'

SAV1 5'-CTCTTGAGCGAGAAGGACTTCC-3'
Reverse: 5'-GAGGTACACTAGGAGCACAGG-3'

MST1 5'-CCTTGGTGCTACACAACAGAC-3'
Reverse: 5'-CAGACCTTGGTTCGAGGAACTT-3'

MST2 5'-CTTTGGTCCGATGATTTACCG-3'
Reverse: 5'-GGATGCTGTAAAAGTTGTGTTGC-3'

LATS1 5'-AATTTGGGACGCATCATAAAGCC-3'
Reverse: 5'-TCGTGAGGATCTTGGTAACTC-3'

LATS2 5'-TGGCACCTACTCCCACAG-3'
Reverse: 5'-CCAAGGGCTTTCTTCATCT-3'

MOB1 5'-CAGCAGCCGCTCTTCTAAAAC-3'
Reverse: 5'-CCTCAGGCAACATAACAGCTTG-3'

YAP1 5'-CGCTCTTCAACGCCGTC-3'
Reverse: 5'-AGTACTGGCCTGTCCGGGAGT-3'

GAPDH 5'-GAGTCAACGGATTTGGTCGT-3'
Reverse: 5'-GACAAGCTTCCCGTTCTCAG-3'

Primer for Methylation Analysis

Forward: 5'-GYGGATTATGGTTTTGGTT-3'
Reverse: 5'-TTTTCTTTCRAAACAAACATCCT-3'

Sequence for HOTAIR si-RNA

Forward: 5'-GAGGCGCUAAUUAUUGAUTT-3'
Reverse: 5'-AUCAAUUAUAGCGCCUUTT-3'

HOTAIR expressing Sequence:

Forward: 5'-cCCGCTCGAGCCAGTTCTCAGGCGAGAGC-3';
Reverse : 5'-CGGGATCCTTTATATTCACCACATGTAAAACCTT-3'

SAV1 Overexpression plasmid was purchased from Bio link company (Shanghai China)