

Ebola virus encodes for two microRNAs in Huh7-infected cells

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>NM_030640.3 Homo sapiens dual specificity phosphatase 16 (DUSP16), mRNA

DUSP16 3'UTR-WT with XhoI and NotI RS + some additional nucleotides to facilitate digestion

TAAGCACTCGAGACTTGTGACTTCTATAGACAATTTTTTTTTCTTGTTCACAAAA
AATTCCCTGTAAATCTGAAATATATGTACATACATATATATTTTTGGAAAATGGAG
CTATGGTGTAAAAGCAACAGGTGGATCAACCCAGTTGTTACTCTCTTAACATCTG
CATTTGAGAGATCAGCTAATACTTCTCTCAACAAAAATGGAAGGGCAGATGCTAG
AATCCCCCCTAGACGGAGGAAAACCATTTTATTCAGTGAATTACACATCCTCTTGT
TCTTAAAAAAGCAAGTGTCTTTGGTGTGGAGGACAAAATCCCCTACCATTTTCAC
GTTGTGCTACTAAGAGATCTCAAATATTAGTCTTTGTCCGGACCCTTCCATAGTAC
ACCTTAGCGCTGAGACTGAGCCAGCTTGGGGGTCAGGTAGGTAGACCCTGTTAG
GGACAGAGCCTAGTGGTAAATCCAAGAGAAATGATCCTATCCAAAGCTGATTCAC
AAACCCACGCTCACCTGACAGCCGAGGGACACGAGCATCACTCTGCTGGACGGA
CCATTAGGGGCCTTGCCAAGGTCTACCTTAGAGCAAACCCAGTACCTCAGACAGG
AAAGTCGGGGCTTTGACCACTACCATATCTGGTAGCCCATTTTCTAGGCATTGTG
AATAGGTAGGTAGCTAGTCACACTTTTCAGACCAATTCAAACGTCTATGCACAAA
ATTCCCGTGGGCCTAGATGGGCGGCCGCATTCGT.

DUSP16 3'UTR-MUT (transversion mutation) with XhoI and NotI RS
+ **some additional nucleotides to facilitate digestion**

TAAGCACTCGAGACTTGTGACTTCTATAGACAATTTTTTTTTCTTGT**GCCCCACA**
AAATTCCTGTAAATCTGAAATATATGTACATACATATATATTTTTGGAAAATGGA
GCTATGGTGTAAAAGCAACAGGTGGATCAACCCAGTTGTTACTCTCTTAACATCT
GCATTTGAGAGATCAGCTAATACTTCTCTCAACAAAAATGGAAGGGCAGATGCTA
GAATCCCCCCTAGACGGAGGAAAACCATTTTATTCAGTGAATTACACATCCTCTTG
TTCTTAAAAAAGCAAGTGTCTTTGGTGTGGAGGACAAAATCCCCTACCATTTTCA
CGTTGTGCTACTAAGAGATCTCAAATATTAGTCTTTGTCCGGACCCTTCCATAGTA
CACCTTAGCGCTGAGACTGAGCCAGCTTGGGGGTCAGGTAGGTAGACCCTGTTA
GGGACAGAGCCTAGTGGTAAATCCAAGAGAAATGATCCTATCCAAAGCTGATT**TAA**
AACACCCACGCTCACCTGACAGCCGAGGGACACGAGCATCACTCTGCTGGACGG
ACCATTAGGGGCCTTGCCAAGGTCTACCTTAGAGCAAACCCAGTACCTCAGACAG
GAAAGTCGGGGCTTTGACCACTACCATATCTGGTAGCCCATTTTCTAGGCATTGT
GAATAGGTAGGTAGCTAGTCACACTTTTCAGACCAATTCAAACGTCTATG**AAAAC**
ACTTCCCGTGGGCCTAGATGG**GCGGCCGCATTCGT.**

>NM_003718.5 Homo sapiens cyclin dependent kinase 13 (CDK13), mRNA

CDK13 3'UTR-WT with XhoI and NotI RS + *some additional nucleotides to facilitate digestion*

TAAGCACTCGAGAAAATAAAACACAACCTTT**CTCTTGAT**GC AACAGTTTTATAAA
AAAAAAAATGGTCAACGTTATTTTTGTTTTGTTTTGCAGATTATCAAAGCCTAGCA
AAATGCATTTAAATGAAATAGTGGGTTTTATATGAAAACCTATGGGTGGGGTGGGG
AGGGAAAGTAAGTGCCTTAACAGGTAAGCTTAAGGTCTGAAAAAATAGTTAACT
TTTACCCCCATTTGTCTTTTAAAGGGAATCAATGCATTAAAAAGGCAAGAACTCT
GAAGTTTCAGGGGCTGCCTGTTCAGTTCTGTTAGGTCCATTCCCTCTGCTTGTC
ACACTTTCTCCTTTTCTGCCTGTCTTTGGGCTGTGTTGCCTTTCACTACCACCTT**CT**
CTTGATAGGGGAGTGAGAGCAAAGA**GCGGCCGCATT****CGT**

CDK13 3'UTR-MUT with XhoI and NotI RS + *some additional nucleotides to facilitate digestion*

TAAGCACTCGAGAAAATAAAACACAACCTTT**ATATGG**CTGC AACAGTTTTATAAA
AAAAAAAATGGTCAACGTTATTTTTGTTTTGTTTTGCAGATTATCAAAGCCTAGCA
AAATGCATTTAAATGAAATAGTGGGTTTTATATGAAAACCTATGGGTGGGGTGGGG
AGGGAAAGTAAGTGCCTTAACAGGTAAGCTTAAGGTCTGAAAAAATAGTTAACT
TTTACCCCCATTTGTCTTTTAAAGGGAATCAATGCATTAAAAAGGCAAGAACTCT
GAAGTTTCAGGGGCTGCCTGTTCAGTTCTGTTAGGTCCATTCCCTCTGCTTGTC
ACACTTTCTCCTTTTCTGCCTGTCTTTGGGCTGTGTTGCCTTTCACTACCACCTT**C**
GCGTTAAAGGGGAGTGAGAGCAAAGA**GCGGCCGCATT****CGT**