

Adenoviral Knockdown Virus Data Sheet

Vector Information

Vector: E1/E3 deleted adenoviral serotype 5 vector
 Expression cassette: shRNA under control of human U6 promoter

Target Information

Target Gene: CDK6
 Specimen: Homo sapiens
 RefSeq#: NM_001259

Validation

Validation Method: qRT-PCR, Relative Quantification
 Cell line used for validation: A549
 RNA prepared: 48h post transduction
 Total RNA used in RT: 1 µg
 cDNA Primer: Random Hexamer
 Real Time Platform: Light Cycler 480 (Roche)
 Detection Method: SYBR I
 Reference Gene: Topoisomerase 1 (TOP1)
 Amplicon Integrity verified by: Melting Point Analysis
 ctrl

Results

Viral vector	Target mRNA expression rel. to Ctrl
Ad 291	10%
Ad 293	9%

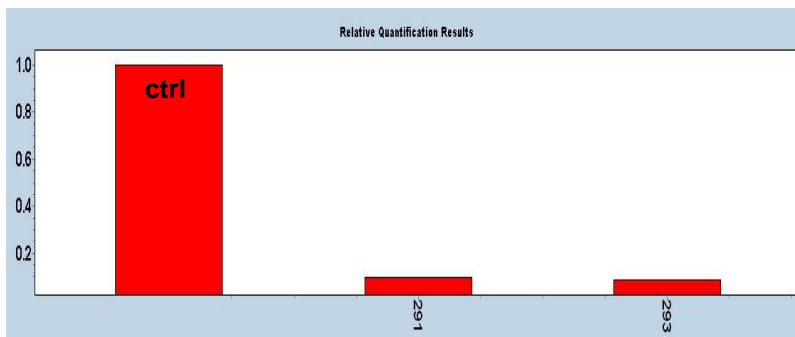


Figure 1

Reduction of CDK6 mRNA 48h after transduction with adenoviral vectors expressing 2 different target-specific shRNAs in comparison to cells transduced with control vector