

## 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

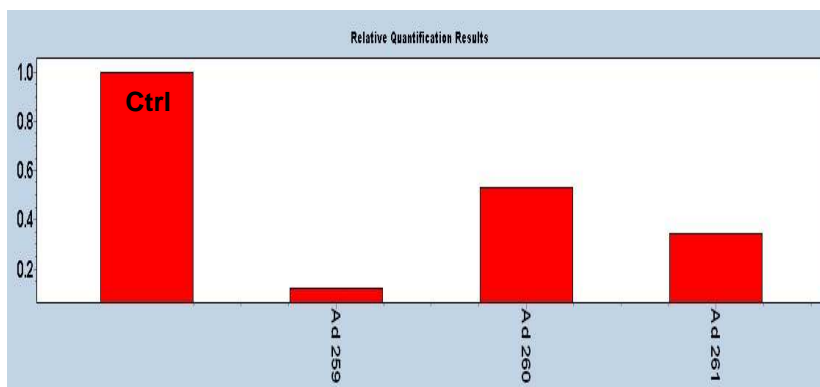
Target Gene: AurA  
 Specimen: Homo sapiens  
 RefSeq#: NM\_198433

### 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 I  
 Amplicon Integrity verified by: Melting Point Analysis

### Results

| Viral vector | Target mRNA expression rel. To Ctrl |
|--------------|-------------------------------------|
| Ad 259       | 12%                                 |
| Ad 260       | 53%                                 |
| Ad 261       | 34%                                 |
|              |                                     |



**Figure 1**

Reduction of AurA-mRNA 48h after transduction with adenoviral vectors expressing 3 different target-specific shRNAs in comparison to cells transduced with control vector (Ctrl)