

## 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

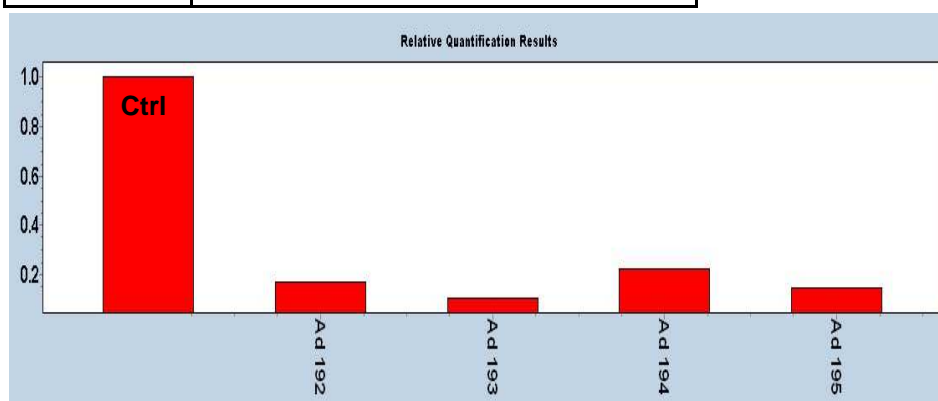
Target Gene: JAK1  
 Specimen: Homo sapiens  
 RefSeq#: NM\_004972

### 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 192	17%
Ad 193	10%
Ad 194	22%
Ad 195	14%



**Figure 1**

Reduction of JAK1-mRNA 48h after transduction with adenoviral vectors expressing 4 different target-specific shRNAs in comparison to cells transduced with control vector (Ctrl)