



## **CERTIFICATE OF ANALYSIS**

### **Purified AAV2-CAG-GFP (Lot 21-097)**

(for research use only)

### **Storage Conditions**

The AAV vectors should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C. The plasmid should be stored at -20°C for long term usage.

### **Shelf Life**

5 years when stored at -80°C. (AAV)

### **Shipping Conditions**

Dry ice overnight

### **Description**

AAV2-CAG-GFP was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-kozak-hr2 (V449) (Fig 3) and rBV-CAG-GFP (V269) (Fig 2).

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The AAVs are in 1xPBS+100 mM sodium citrate+ 0.001% pluronic F-68 buffer.

The vectors are for research use only, not for any human use.

### **qPCR Titer**

Lot 21-097: 2E+13 vg/ mL (final diluted)



### Quality Control Data

The vectors were sterilized with 0.22 $\mu$ m filter. SDS-PAGE and InstantBlue Staining (Expedeon) verified the purity of the vectors (Fig. 1). OD analysis determined the titers of the AAV samples. Real-time PCR analysis determined the titers of the AAV samples.

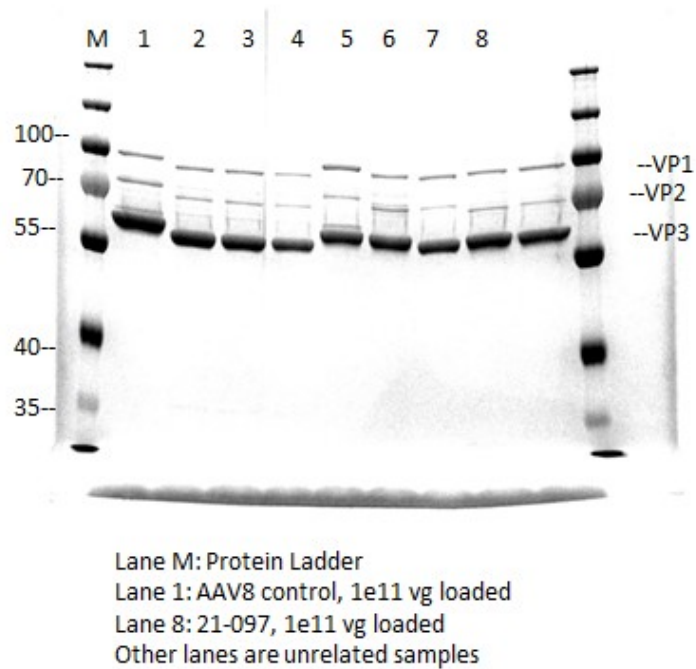


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-CAG-GFP (Lot: 21-097).



Plasmids map

Created with SnapGene®

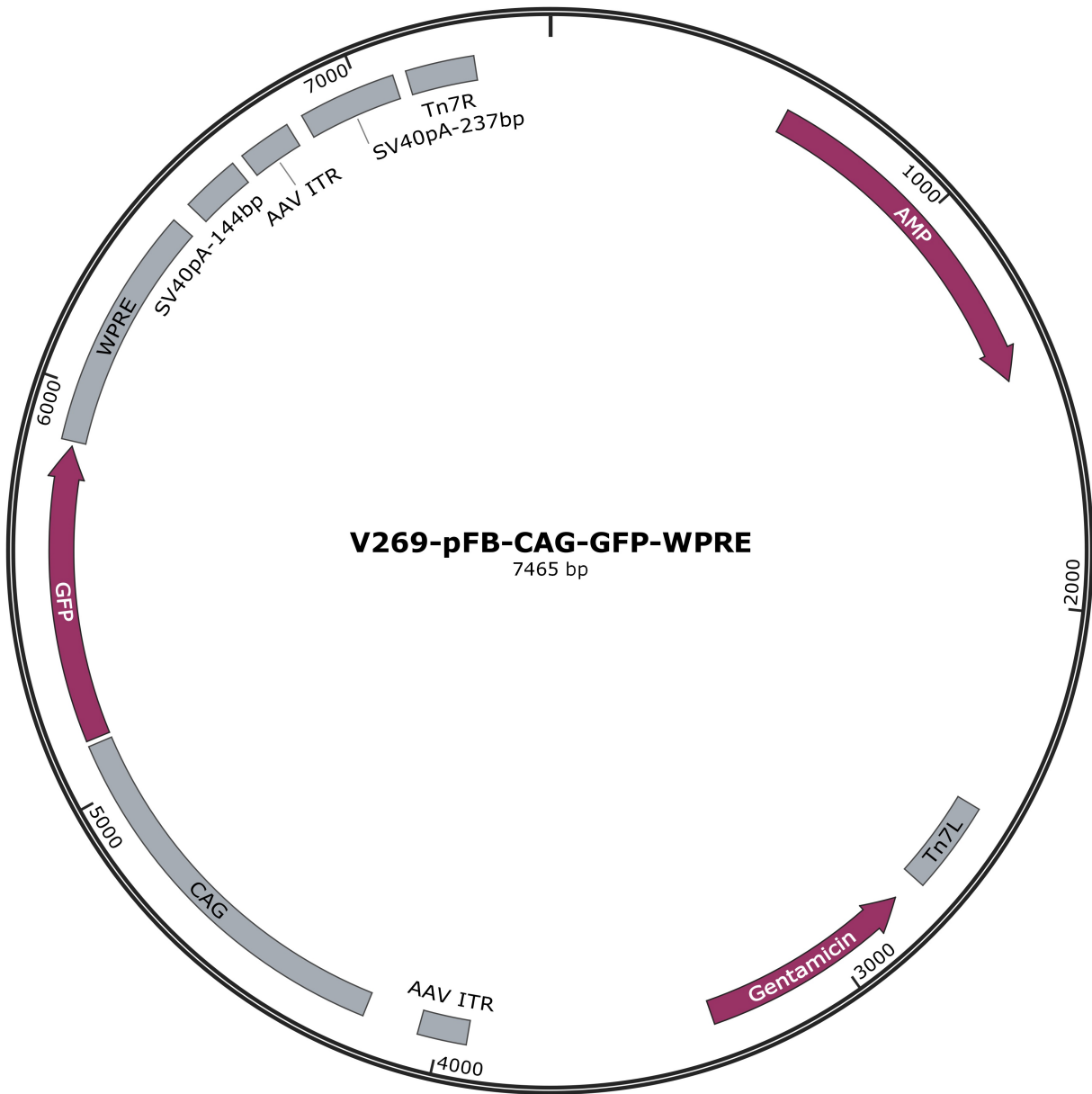
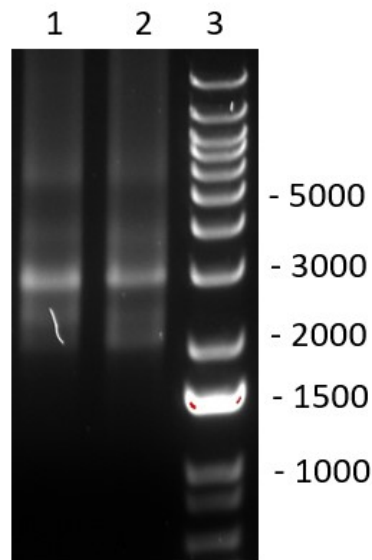


Fig. 2. Diagram of plasmid used to generate rBV- CAG-GFP (V269).



Lane 1: 21-097 AAV2-CAG-GFP 1E+11vg Loaded  
Lane 2: 21-098 AAVDJ-CAG-GFP 1E+11vg Loaded  
Lane 5: 1KB DNA Ladder

Fig. 3. DNA agarose gel of purified AAV2-CAG-GFP (Lot 21-097).

Approved by: Min Chen

Monday, March 18, 2024