



CERTIFICATE OF ANALYSIS

Purified

AAV8-CAG-GFP (Lot 22-624)

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

Manufacture Date

2022-October-27

Description

AAV8-CAG-GFP was produced in insect Sf9 cells by infection with rBV-inCap8-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.

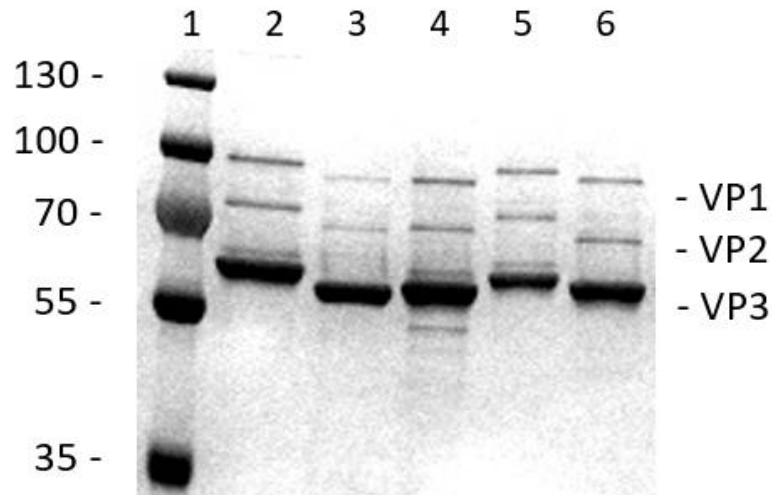
qPCR Titer

Lot 22-624: 2E+13 vg/ mL (final diluted)



Quality Control Data

The vectors were sterilized with 0.22µm 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.



Lane 1: Protein Ladder

Lane 2: AAV8 Standard Control 1E+11vg Loaded

Lane 5: 22-624 AAV8-CAG-GFP 1E+11vg Loaded

Lane 6: 22-625 AAV2-CMV-GFP 1E+11vg Loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV8-CAG-GFP (Lot: 22-624) & AAV2-CMV-GFP (Lot 22-625).



Plasmids map

Created with SnapGene®

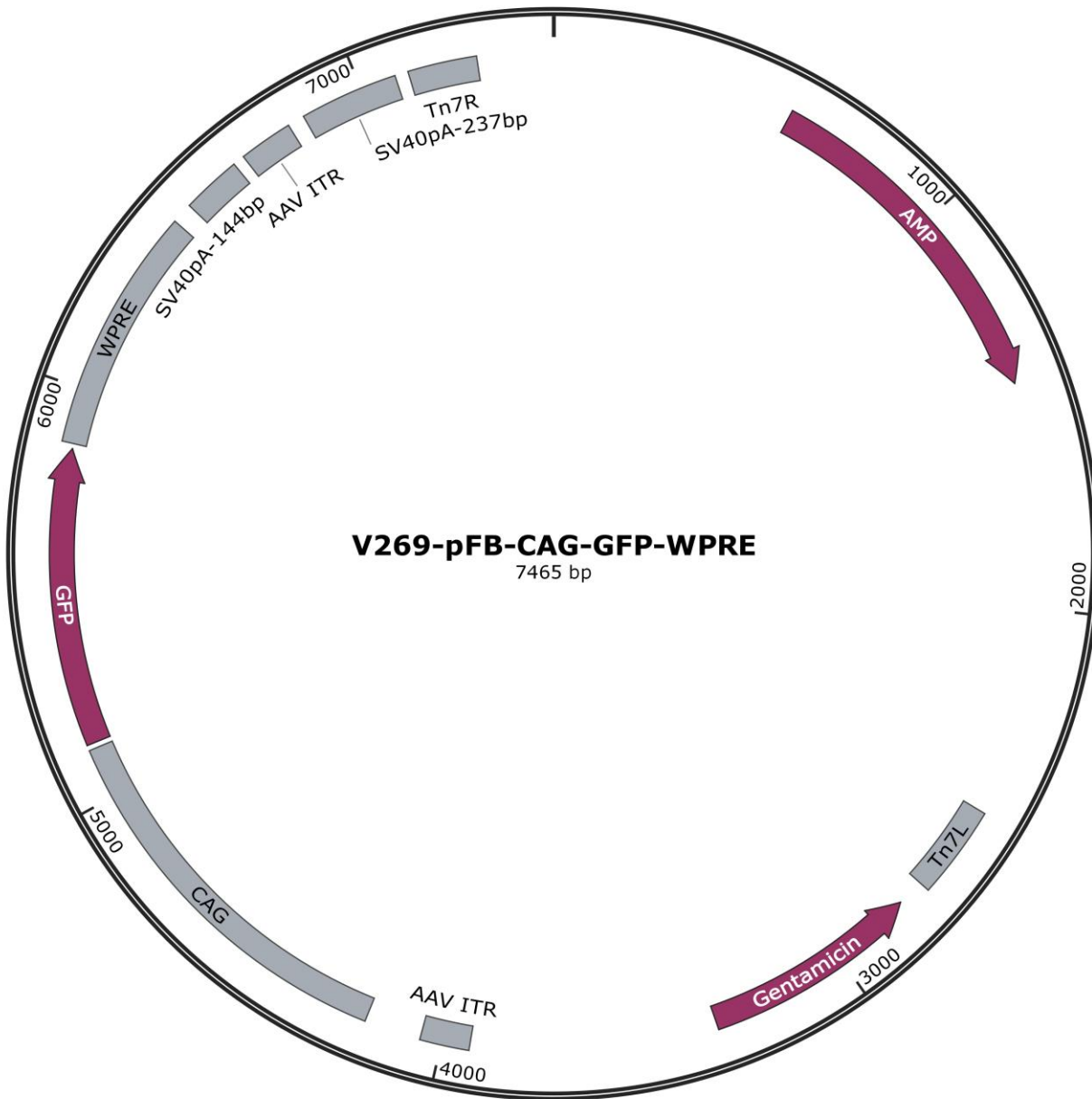
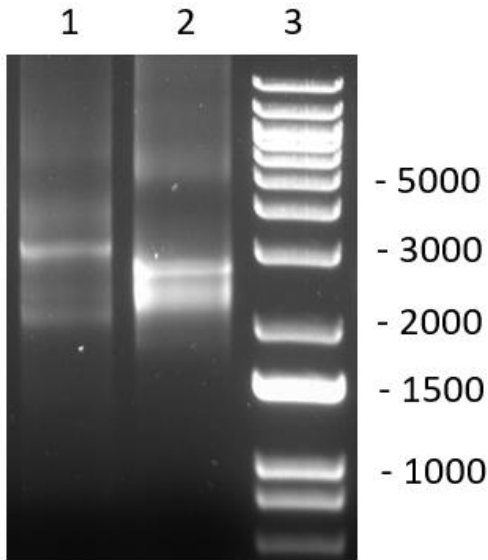


Fig. 2. Diagram of plasmid used to generate rBV- CAG-GFP (V269).



Lane 1: 22-624 AAV8-CAG-GFP 1E+11vg Loaded
Lane 2: 22-625 AAV2-CMV-GFP 1E+11vg Loaded
Lane 5: 1KB DNA Ladder

Fig. 3. DNA agarose gel of purified AAV8-CAG-GFP (Lot 22-624) & AAV2-CMV-GFP (Lot 22-625)

Approved by: Min Chen Date: 27JAN2023