



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 Express

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 μ 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.

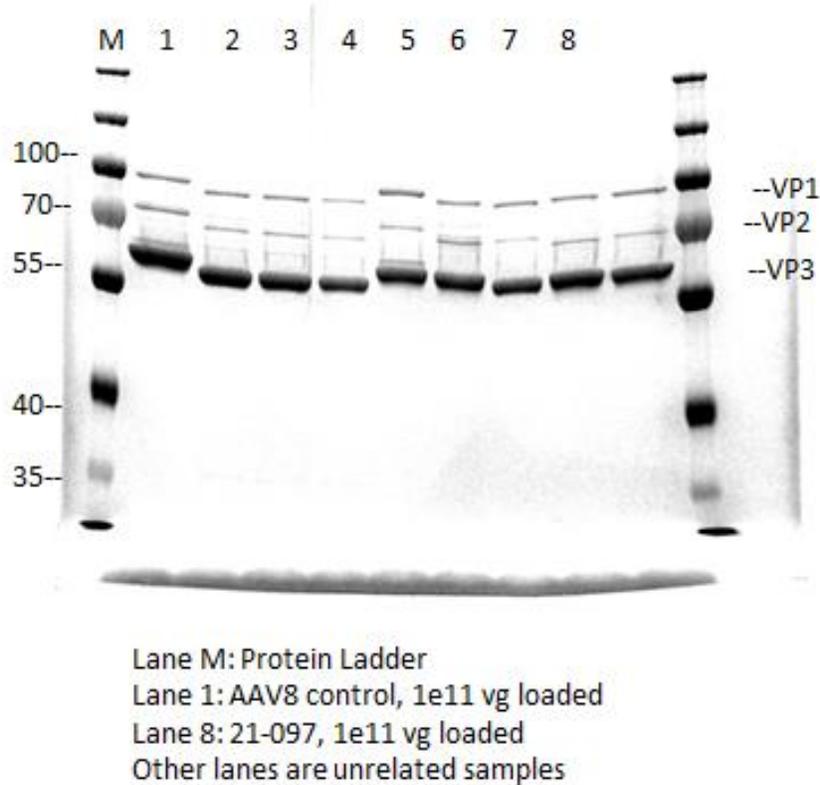


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-CAG-GFP (Lot: 21-097).



Plasmids map

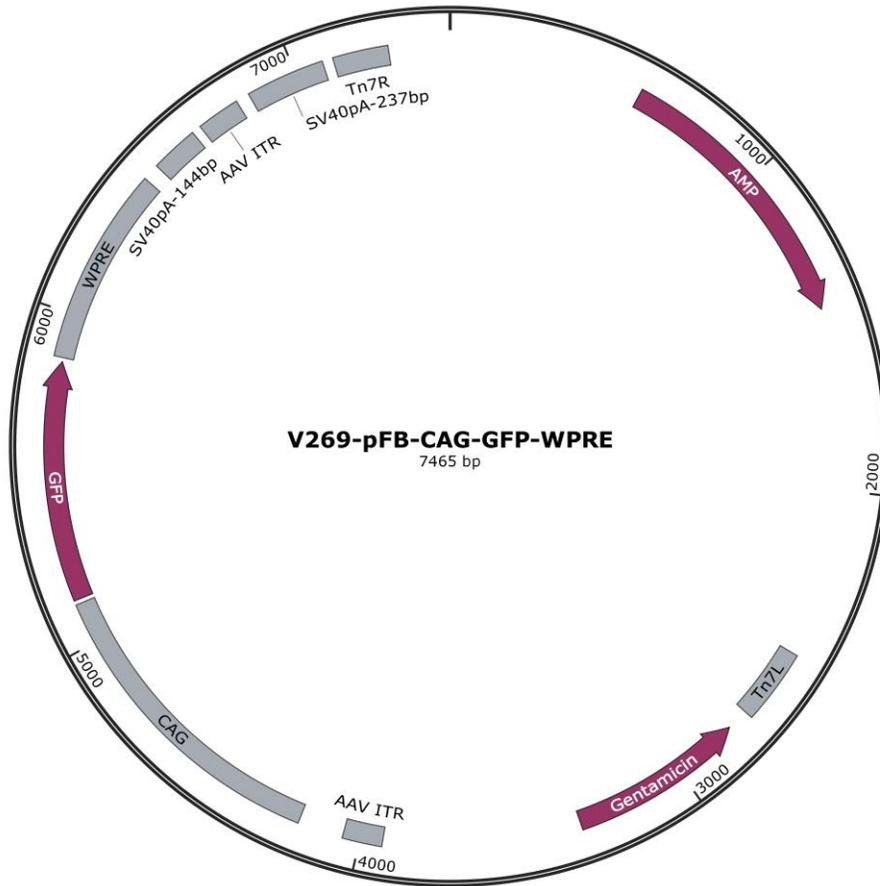


Fig. 2. Diagram of plasmid used to generate rBV- CAG-GFP (V269).

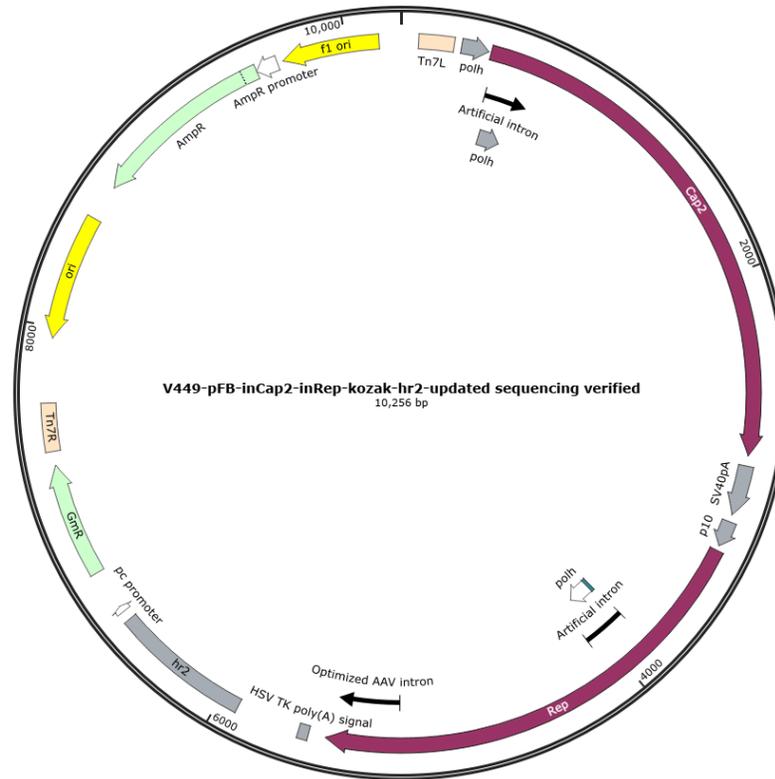


Fig. 3. Diagram of plasmid used to generate rBV- CMV-GFP (V445).

Endotoxin Report: Based on LAL assay

# Lot Number	Sample Name	Absorbance	Measured Endotoxin EU/mL	Dilution Corrected Endotoxin EU/ml
21-097	AAV2-CAG-GFP	0.28	0.01110	0.01

AAV2-CAG-GFP Lot # 21-097 at titer 2E+13 vg/ml measured in this assay has the final endotoxin levels at 0.01 EU/ml.

Approved by: QA/QC Team
Updated Date: 05APR2024