



CERTIFICATE OF ANALYSIS

Purified AAV8-CMV-GFP (Lot 22-542)

(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

Ice packs overnight

Description

AAV8-CMV-GFP was produced in insect Sf9 cells by infection with rBV-inCap8-inRepCap-kozak-hr2 (V288) (Fig 2) and rBV-CMV-GFP (V445) (Fig 3).

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+0.001% pluronic F-68 buffer.

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

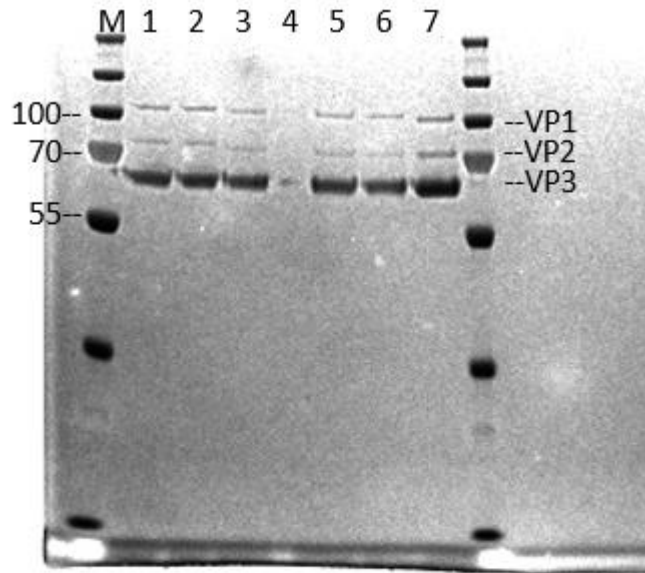
qPCR Titer

Lot 22-542: 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). Real-time PCR analysis determined the titers of the AAV samples.



Lane M: Protein Ladder
Lane 1: AAV8 control, 1e11 vg loaded
Lane 2: 22-542, 1e11 vg loaded
Other lanes are unrelated samples

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV8-CMV-GFP (Lot: 22-542).



Plasmids map

Created with SnapGene®

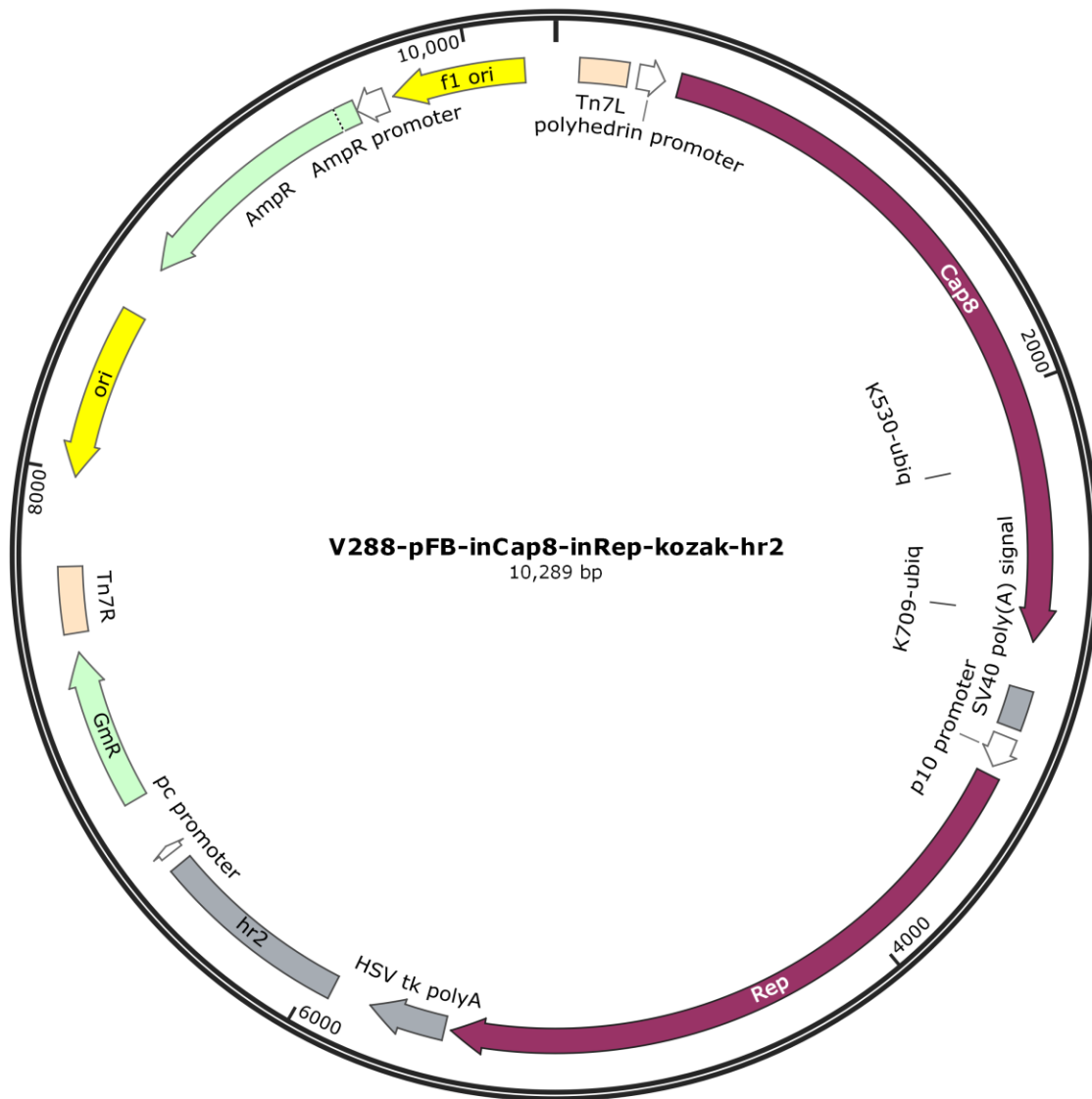


Fig. 2. Diagram of plasmid used to generate rBV- inCap8-inRepCap-kozak-hr2 (V288).

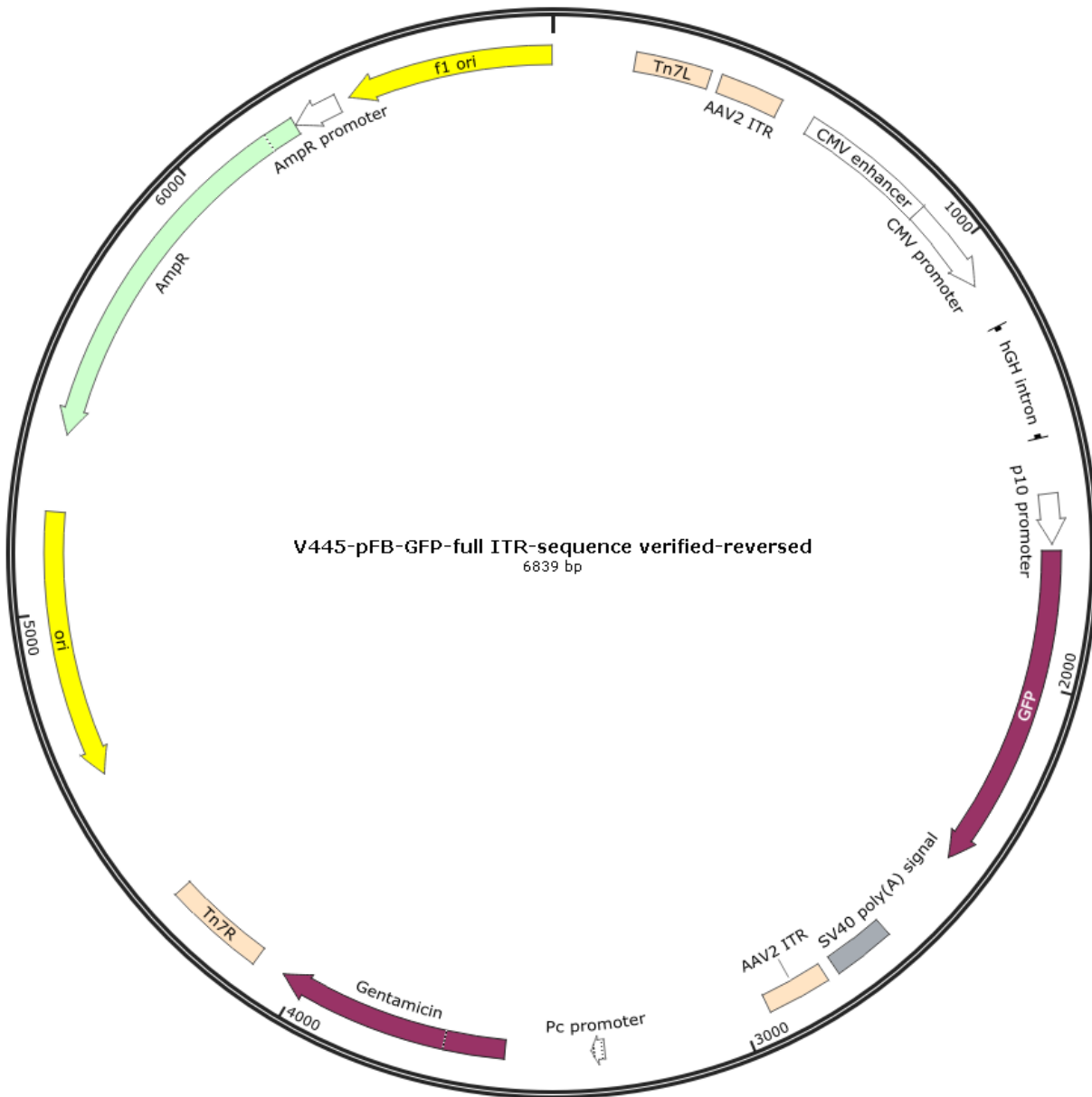


Fig. 3. Diagram of plasmid used to generate rBV-CMV-GFP (V445).

Approved by: AC Friday, September 30, 2022