VIROVEK

CERTIFICATE OF ANALYSIS

Purified AAV5-CMV-GFP (Lot 18-337)

(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.

Shelf Life

4 years when stored at -80°C. (AAV)

Shipping Conditions

Ice packs overnight

Description

AAV5-CMV-GFP was produced in insect Sf9 cells by dual infection with rBV-inCap5-inRepCap-kozak-hr2 (V295) (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 final 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 18-337: 2E+13 vg/ mL (final diluted)

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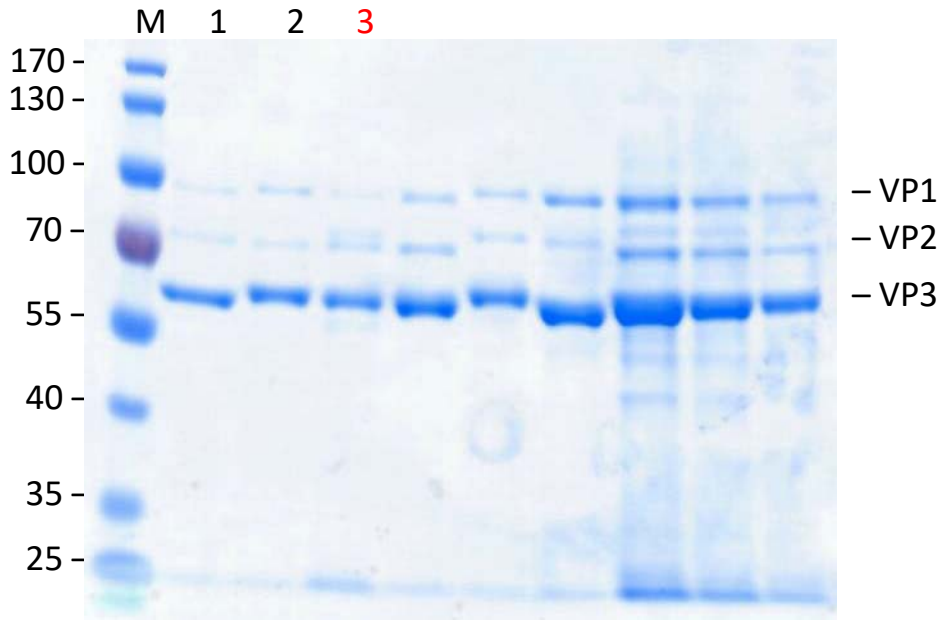
Quality Control Data

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



Lane M: Protein ladder
Lane 1: Control AAV9, 1e+11vg loaded
Lane 3: AAV5-CMV-GFP (Lot# 18-337), 1e+11vg

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV5-CMV-GFP (Lot: 18-337).

Plasmids map

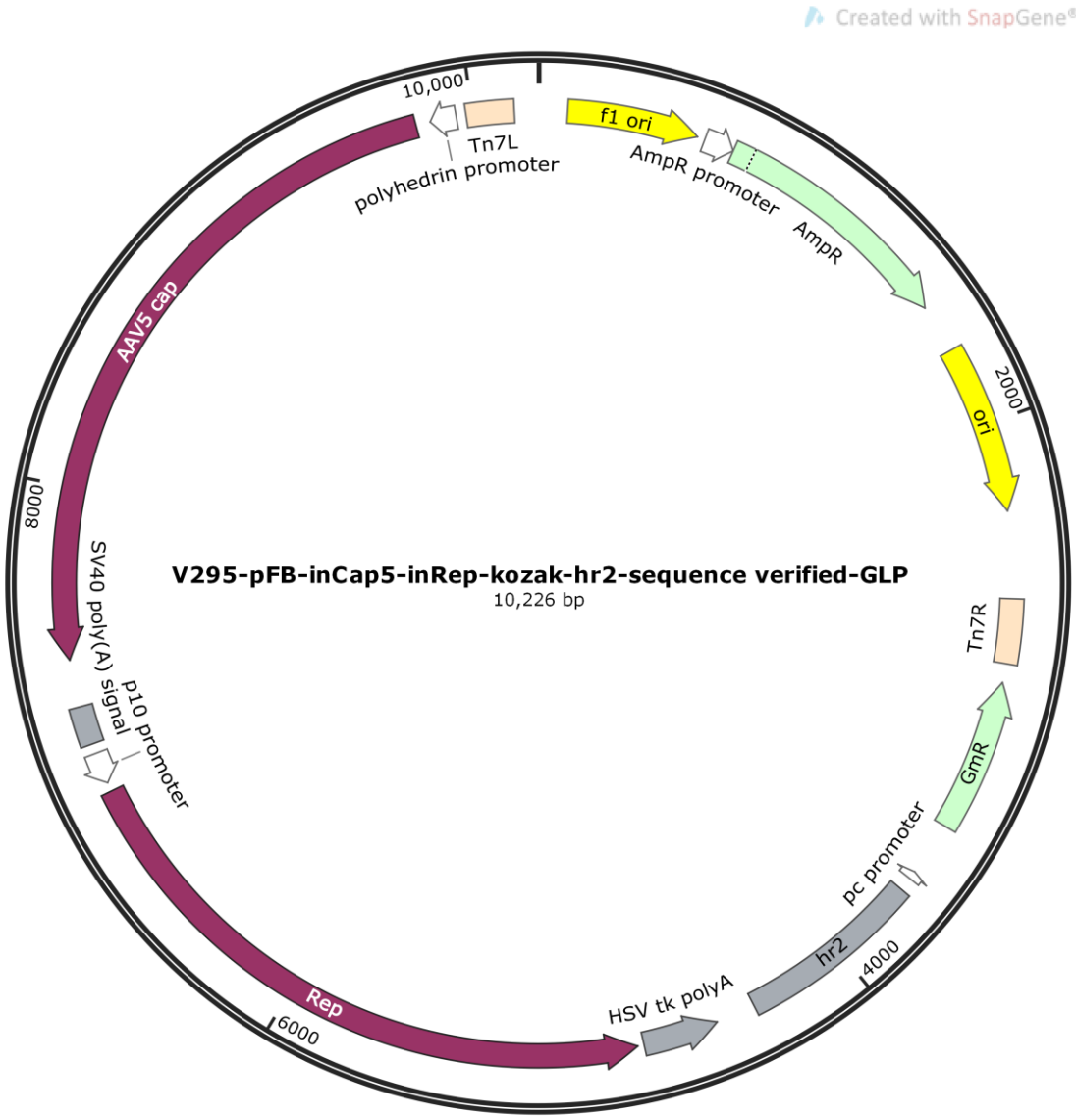


Fig. 2. Diagram of plasmid used to generate rBV- inCap5-inRepCap-kozak-hr2 (V295).

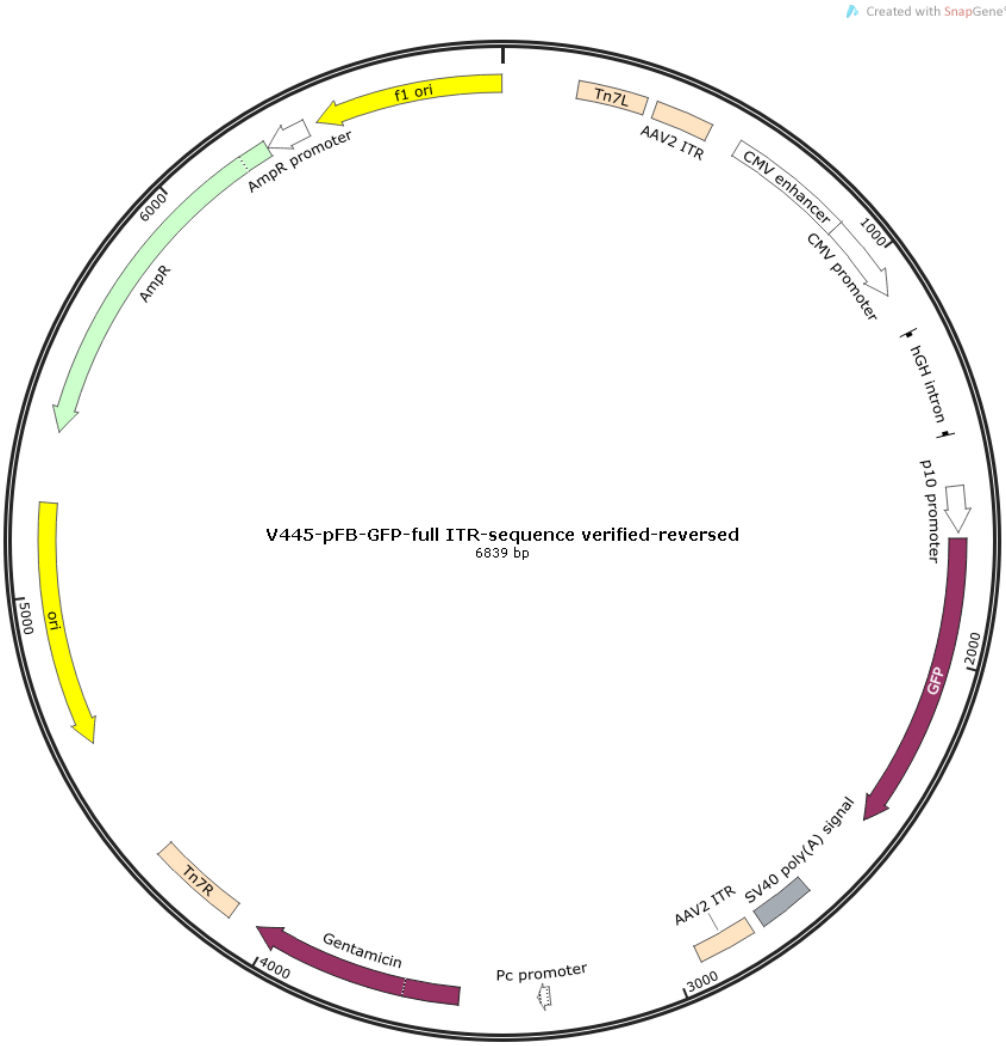


Fig. 3. Diagram of plasmid used to generate rBV- CMV-GFP (V445).

Approved by: Thursday, November 04, 2021