VIROVEK

CERTIFICATE OF ANALYSIS

Purified AAV5- CMV-GFP
Lot #20-554

Storage Conditions

The AAV vectors should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. It's not recommended to store AAV vectors at -20°C.

Shelf Life

5 years when stored at -80°C. Minimize the freeze and thaw cycle.

Shipping Conditions

Dry ice overnight

Description

AAV5- CMV-GFP vectors were produced in insect Sf9 cells by dual infection with rBV-inCap5-inRep-hr2 (Clone ID V295) (Fig. 3) and rBV-CMV-GFP (Fig. 4). The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

AAV5- CMV-GFP vectors are for research use only, not for any human use.

QPCR Titer

Lot #20-554: 2.00E+13 vg/ml

The titer of AAV5-CMV-GFP was determined with QPCR method using primers/probe corresponding to the AAV2 ITR.

Quality Control Data

The AAV vector was formulated in 1xPBS buffer pH7.4, containing 0.001% pluronic F-68, and sterilized with 0.22μm low protein-binding filter. SDS-PAGE and SimplyBlue Staining (Invitrogen) verified the purity of the vectors (Fig. 1). DNA agarose gel verified the DNA genome of CMV-GFP (Fig. 2). QPCR analysis determines the titers of the AAV samples.

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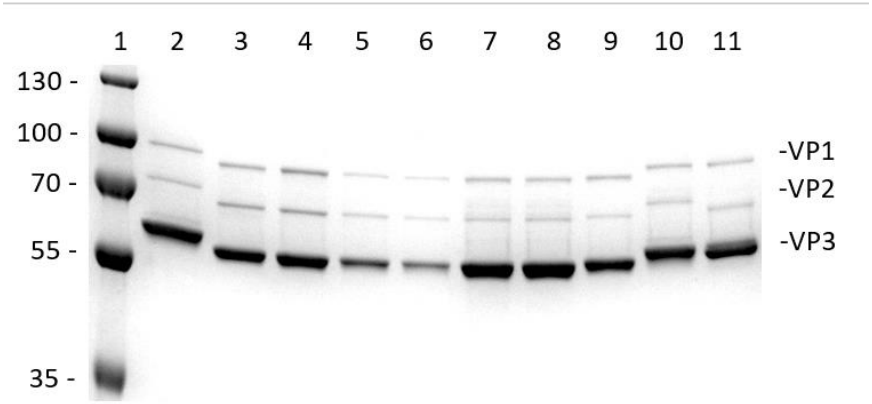
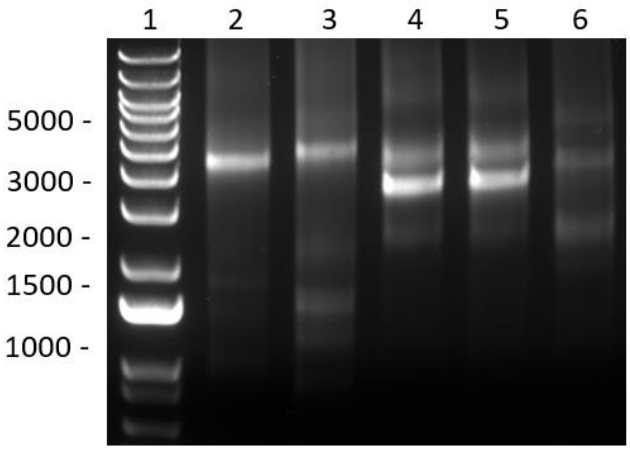


Lane 1: Protein Ladder
Lane 2: AAV8 Standard Control 1E+11vg Loaded
Lane 3-10: Other AAV 1E+11vg Loaded
Lane 11: 20-554 AAV5-CMV-GFP 1E+11vg Loaded

Fig. 1. SDS-PAGE and Simply Blue Staining of purified AAV5-CMV-GFP.



Lane 1: 1KB DNA Ladder
Lane 6: 20-554 AAV5-CMV-GFP 1E+11vg Loaded

Fig. 2. DNA agarose gel of purified AAV5-CMV-GFP.

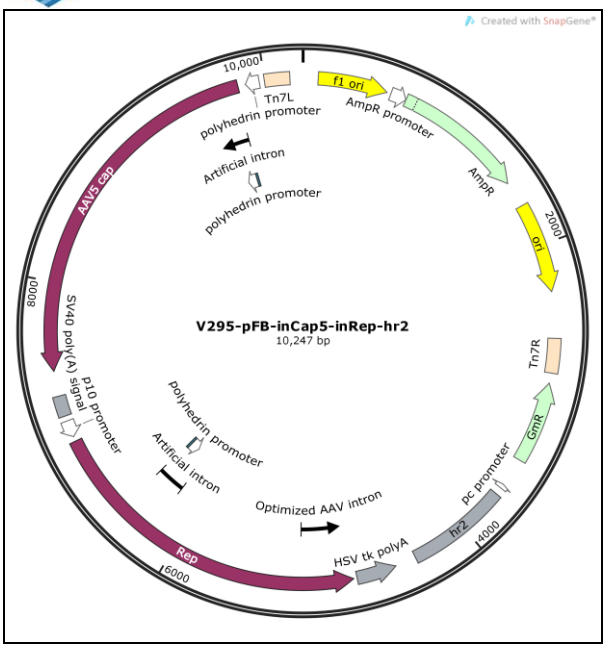


Fig. 3. Diagram of plasmid used to generate rBV-inCap5-inRep-hr2

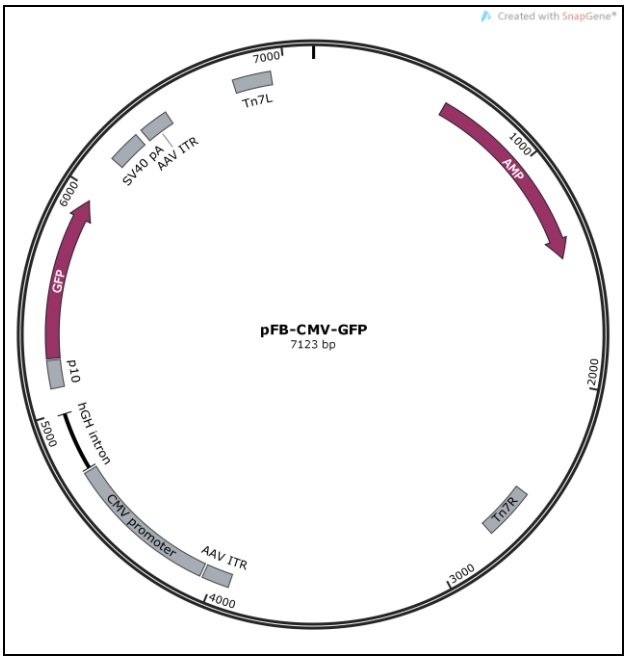


Fig. 4. Diagram of plasmid used to generate rBV-CMV-GFP.

Approved by: *Haifeng Chen*

Date: April 5, 2023