VIROVEK

CERTIFICATE OF ANALYSIS

Purified AAV8-CMV-GFP (Lot# 22-640**)**

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

AAV8-CMV-GFP vector was produced in insect Sf9 cells by the infection with rBV-V288-inCap8-inRep-hr and rBV-V445-pFB-GFP. The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

AAV-GFP vector is for research use only, not for any human use.

QPCR Titer

2E+13 vg/mL
The titers of AAV9- SynaptoTAG2 was determined with QPCR method using primers/probe corresponding to the AAV ITR Sequences.

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). QPCR analysis determines the titers of the AAV samples.

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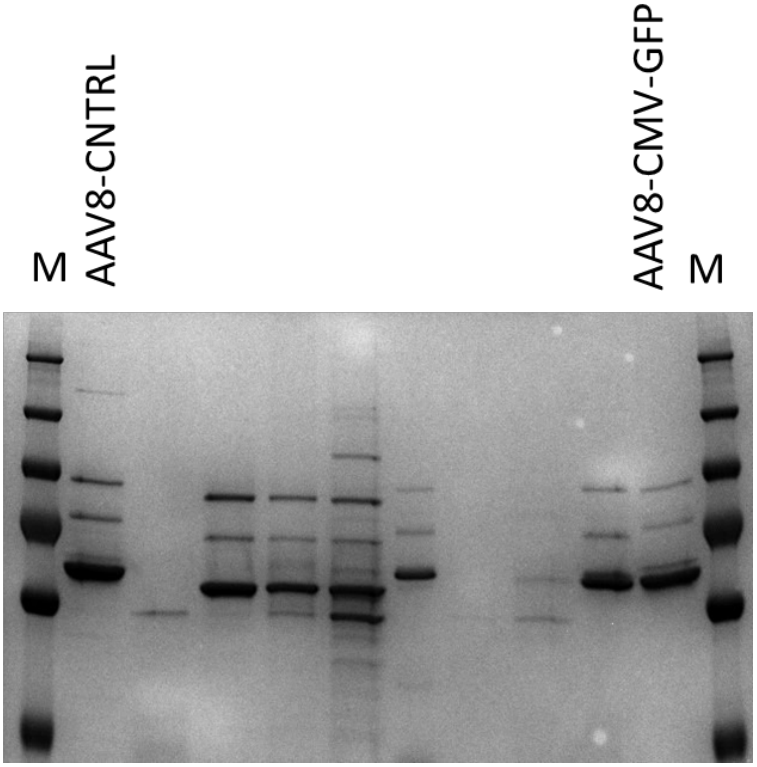

Fig. 1. SDS-PAGE and Instant Blue Staining of purified AAV8-GFP. Lane M, protein ladder; lane 1, AAV8 control; lane 10, AAV8-CMV-GFP (Lot# 22-640).

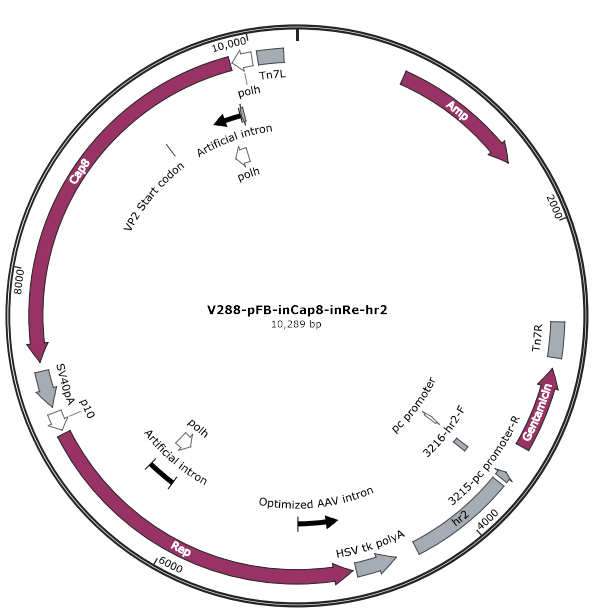

Fig. 2. The plasmid used to generate rBV-V288 for sf9 dual infection.

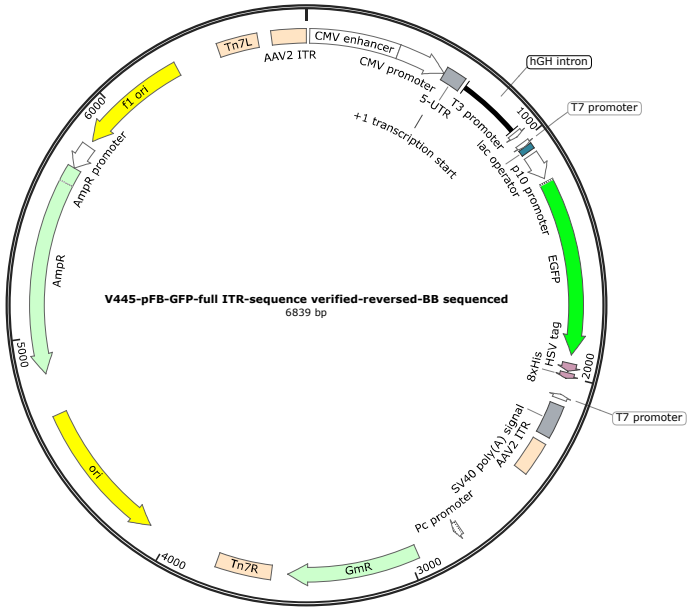

Fig. 3. . The plasmid used to generate rBV-V445-GFP for sf9 dual infection.

Approved by: *Santanu Raychaudhuri*

Date: January 24, 2023