VIROVEK

CERTIFICATE OF ANALYSIS

Product

Purified AAV2-CMV-Luciferase (Lot 22-075)
(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.

Manufactured Date:

2022-02-03

Shelf Life

Virovek's AAV will last 5 years from the manufacture date when stored at -80°C without freeze-thaw cycles.

Shipping Conditions

Dry Ice

Description

AAV2-CMV-Luciferase was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-kozak-hr2 (V449) and rBV-CMV-Luciferase (AVA13) (Fig. 3).
The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The vectors were then sterilized via filtration with 0.22 μm filters. The final formulation buffer is 1xPBS + 100mM sodium citrate +0.001% pluronic F-68.

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

Quality Control Data

qPCR analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and InstantBlue Staining techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).

Product Titers

Lot 22-075: 2E+13 vg/ mL, 1E+13 vg/mL

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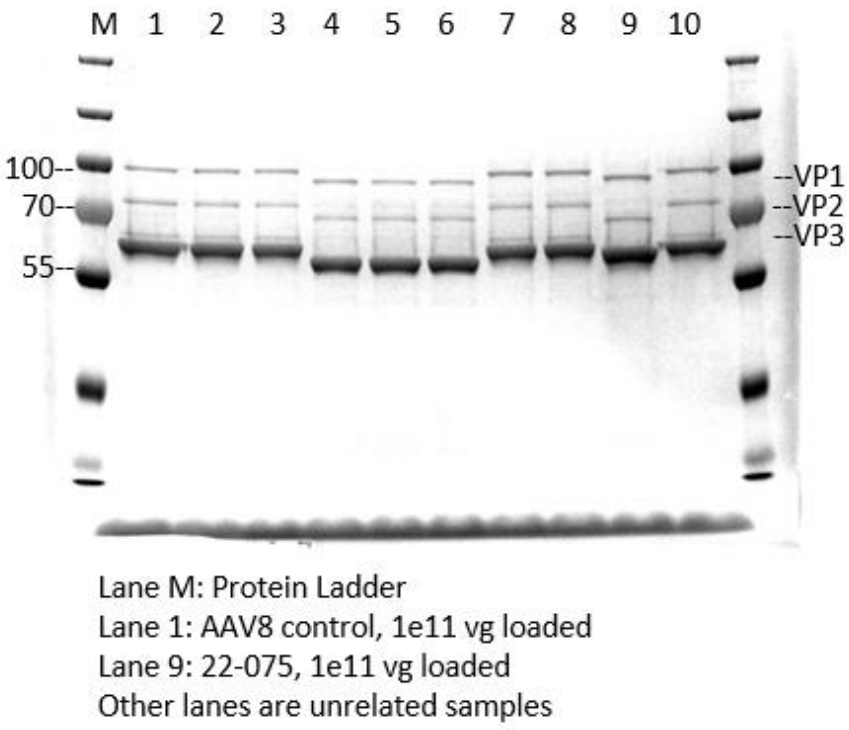

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-CMV-Luciferase (Lot: 22-075).

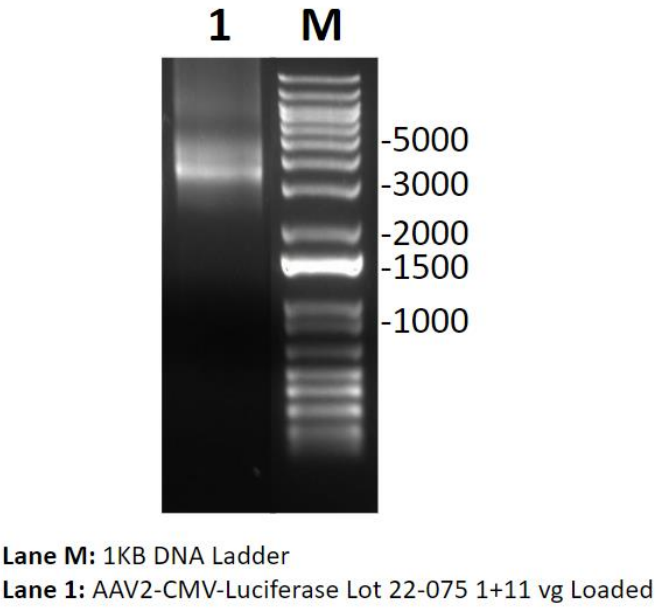

Fig. 2. DNA Agarose Gel of purified AAV2-CMV-Luciferase (Lot: 22-075).

Plasmid map

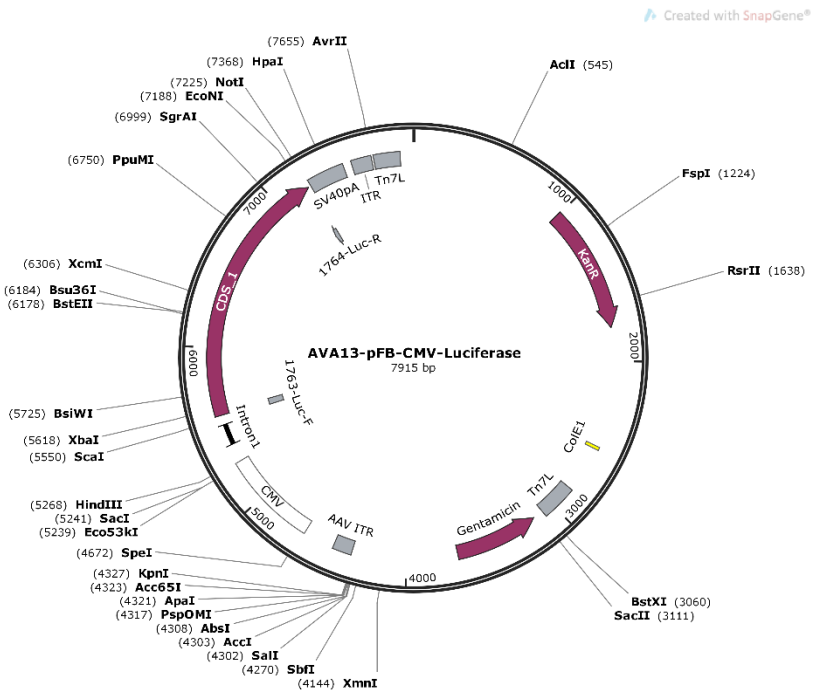

Fig. 3. Diagram of plasmid used to generate rBV-CMV-Luciferase (ID: AVA13).

Approved by: QA/QC Team **Date: 2022-08-04**

Revision 1: 2024-07-01