VIROVEK

CERTIFICATE OF ANALYSIS

Product

Purified AAV5-CMV-GFP (Lot 22HEK119)

Storage Conditions

The AAV vectors should be kept at -80°C for long-term storage. When storing for frequent use, 4°C is recommended.
Avoid storing at -20°C.

Shipping Conditions

Dry Ice

Manufacture Date

2022-09-06

Shelf Life/Expiration Date

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

Description

AAV5-CMV-GFP was produced in HEK293 cells by triple transfection with pHLP19-Cap5, a plasmid containing CMV-GFP, and F6 Adeno Helper plasmid. The final buffer is 1xPBS + 0.001% pluronic F-68.

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.

These vectors are for research use only and not for any human purposes.

Quality Control Data

qPCR or Nanodrop analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and SimplyBlue Staining (Invitrogen) 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 titer
Lot 22HEK119: 2E+13 vg/mL

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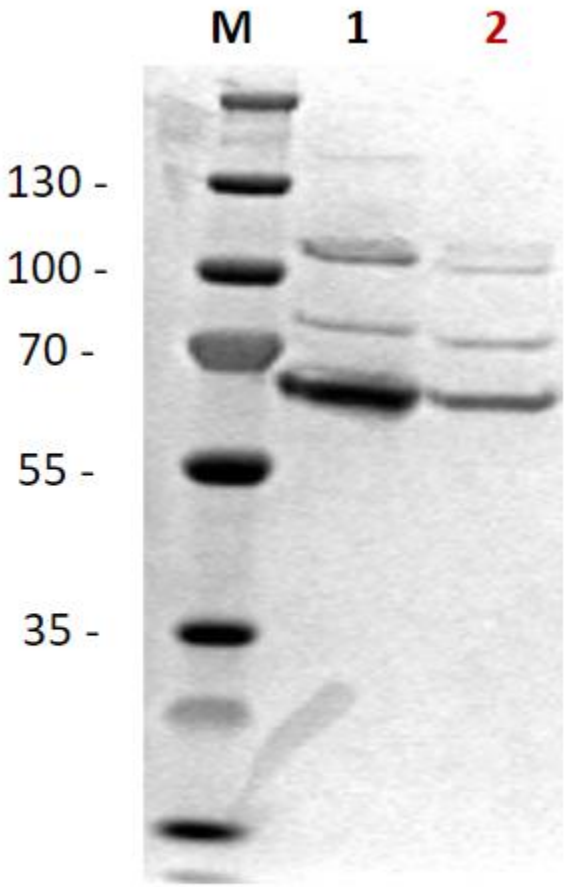

Lane M: Protein Ladder
Lane 1: AAV8 Standard Control 1E+11vg Loaded
Lane 2: Lot 22HEK119 1E+11vg Loaded

Fig. 1. SDS-PAGE and SimplyBlue Staining of purified samples.

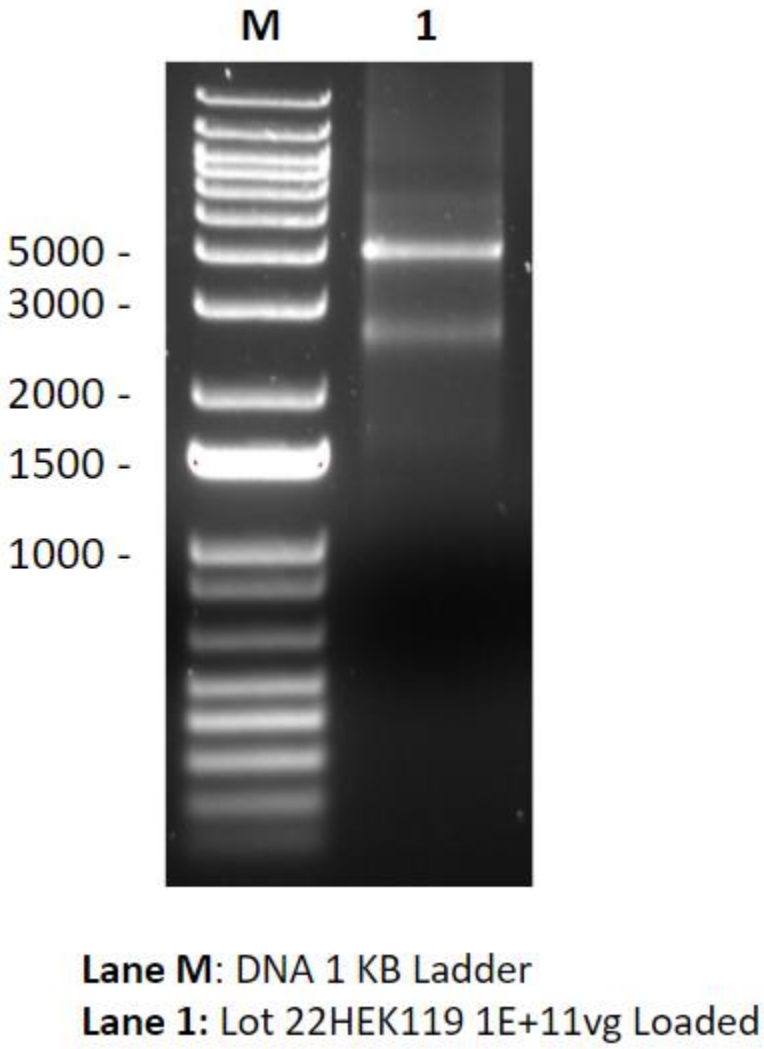

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team Date: 2023-11-01