



CERTIFICATE OF ANALYSIS

Purified AAV2-Empty
Lot 23-230

Storage Conditions

The AAV vector should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C.

Instruction

AAV2 tends to form aggregates easily. Please vortex and sonicate the sample prior to usage.

Shelf Life

5 years when stored at -80°C. Minimize the freeze and thaw cycle.
Manufactured on **12-Jun-2023**.

Shipping Conditions

Dry Ice Overnight Express

Description

AAV2-Empty was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-koza-hr2 (V449) (Fig 2).

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

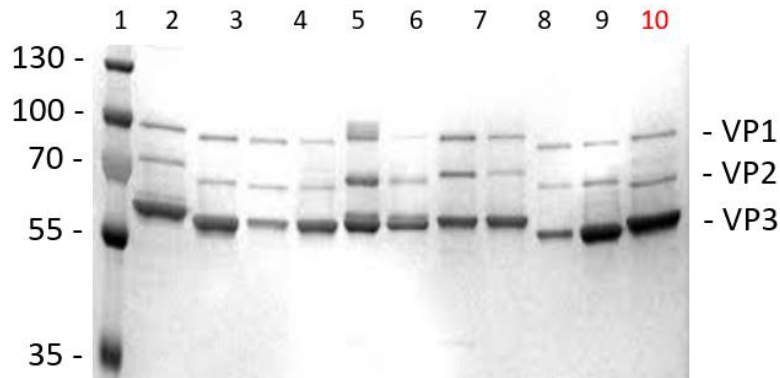
The vectors are for research use only, not for any human use.

Capsid Titer

The titer of AAV2-EMPTY particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve. The final dilution at 2E+13 vp/mL was made by the formulation buffer.

Quality Control Data

The AAV vector was formulated in 1xPBS buffer pH7.4, containing 0.001% pluronic F-68, 100 mM sodium citrate, and sterilized with 0.22µm low protein-binding filter. SDS-PAGE and SimplyBlue Staining (Invitrogen) verified the purity of the vectors (Fig. 1). OD analysis determined the titers of the AAV samples.



Lane 1: Protein Ladder

Lane 2: AAV8 Standard Control 1E+11vg Loaded

Lane 10: 23-230 AAV2-Empty 1E+11vp Loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-Empty.

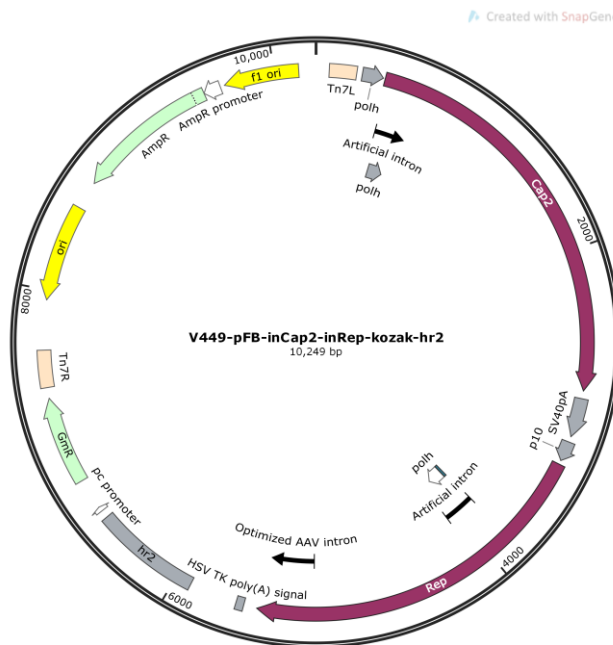


Fig. 2. Diagram of plasmid used to generate rBV- inCap2-inRepCap-kozak-hr2 (V449)

Approved by: QA/QC Team

Date: March 26, 2024