



## 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. (AAV)

### **Shipping Conditions**

Dry Ice Overnight Express

### **Description**

AAV2-Empty was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-kozak-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.

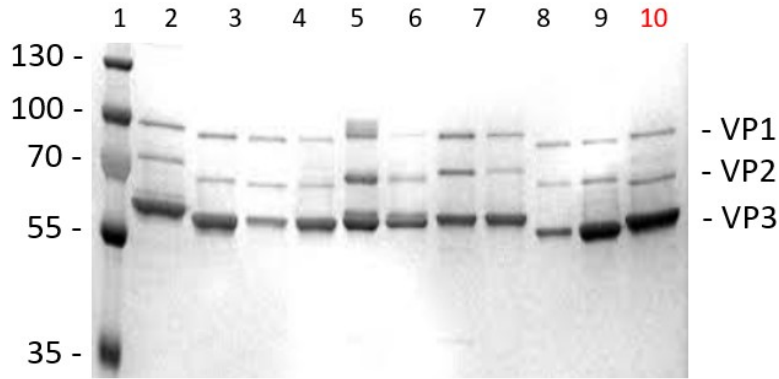
The vectors are for research use only, not for any human use.

### **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, 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.

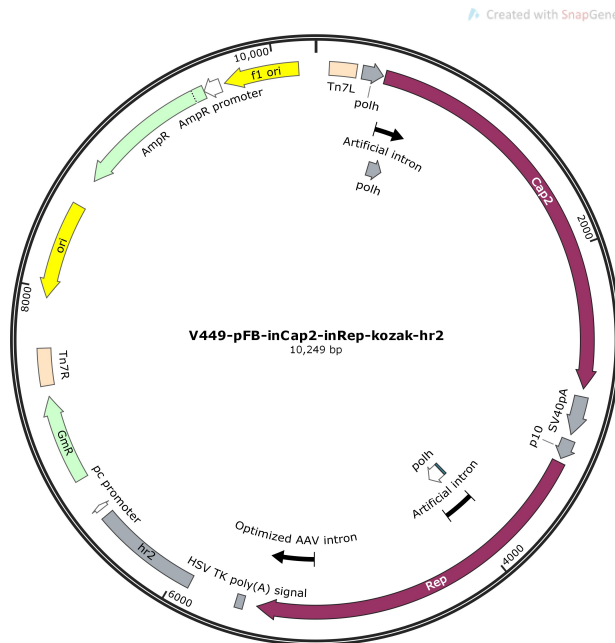


Fig. 2. Diagram of plasmid used to generate rBV- inCap2-inRepCap-kozak-hr2 (V449)

Approved by: Haifeng Chen

Date: January 5, 2023