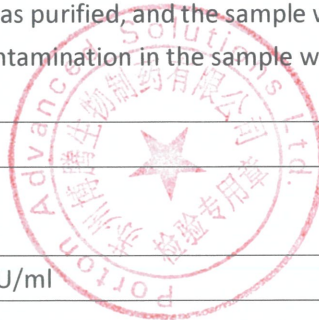


Certificate of Analysis

Product Name	rAAV5
Vector information	ssAAV-CMV-EGFP-WPRE-SV40pA
Batch Number	PTB006-GTPD-DS230816-01
Specification	50µl/Vial
Production date	2023-08-16
Storage Condition	Store at -80°C
Expiration Date	2024-08-15
Storage Buffer	Virus formulated in 10mM Tris buffer supplemented with 100mM sodium citrate and 0.001% poloxamer 188 (pH8.0)

The product is functionally tested for optimum performance using the following tests:

Titer Determination	
The titer was determined by the quantitative PCR (qPCR) method. Viral DNA was extracted from viral particles. The EGFP sequence of AAV was used as a target to quantify the amount of viral genome.	
Specification: >10 ¹³ vg/ml	Result: 6.38x10 ¹³ vg/ml
Virus Purity	
Viral purity was determined by SDS-PAGE followed by silver staining.	
Specification: Report	Result: 88.70%
Full Capsid Ratio	
The full capsid ratio was determined by the AUC method.	
Specification: Report	Result: 69.75%
Sterility Test	
Bacteria and fungi were detected by rapid sterility test. The virus sample was inoculated into a culture medium 5 days and detected by BD BACTEC FX40 to detect bacterial and fungal growth.	
Specification: Negative	Result: Pass
Mycoplasma Test	
Through a DNA extraction kit, the mycoplasma DNA in the sample was purified, and the sample was amplified and detected by the qPCR method. Whether there was mycoplasma contamination in the sample was determined by qPCR.	
Specification: Negative	Result: Pass
Endotoxin	
Endotoxin was determined by LAL	
Specification: <10 EU/ml	Result: 6.2EU/ml



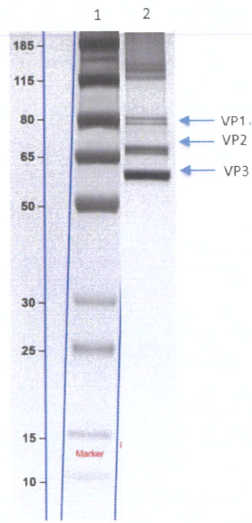


Figure 1. SDS-PAGE picture (lane1: marker, lane2: sample)

Note: Stray bands between 115KD and 185 KD are also included in the purity calculation



Reporter	Kathy . Wu	Reviewer	[Signature]	Auditor	[Signature]
Date	2023-09-26	Date	2023-09-27	Date	2023.09.27