

| CERTIFICATE OF ANALYSIS | | | | | |
|----------------------------------|---|-------------|----------|-----------|--|
| Vector Name | pVITRO-HPV11-L1L2 | Catalog No. | V012138 | V012138 | |
| Project/Lot No. | G0280423-1/E65661 | Strain | stb13 | stbl3 | |
| Quantity | 100ug | Resistance | Kanamyci | Kanamycin | |
| QC Results | | | | | |
| Test Items | Specifications | | | Results | |
| Appearance | Clear, no visible particles | | | Pass | |
| Concentration | On request, default | | | Pass | |
| A260/280 | 1.8 - 2.0 | | | Pass | |
| A260/230 | >2.0 | | | Pass | |
| Supercoiled content | No request | | | N/A | |
| Residual RNA | Not visible upon electrophoresis | | | Pass | |
| Genomic DNA | Not visible upon electrophoresis | | | Pass | |
| Restriction Analysis | Conforms to reference | | | Pass | |
| Bioburden assay | No growth on agar plate after 24 hours | | | N/A | |
| Endotoxin Test | Verified, (Endo-Free Preps Only) | | | N/A | |
| Label | Correct and white | | | Pass | |
| Sequencing | Correct | | | Pass | |
| Comments | - | | | - | |
| Restriction Digestion Map 1 2 M | | | | | |
| bp | Lane1:Plasmid DNA Lane2:Plasmid digested by BamHI-XbaI Lane M: DNA Marker | | | | |

Certified by: Chou Fang

Date: <u>Jul/18/2023</u>

Valid until: Jul/17/2025