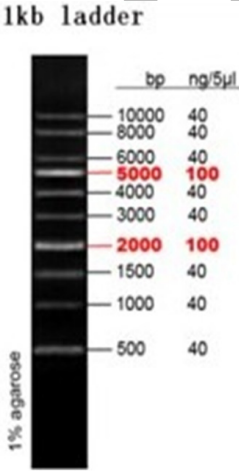
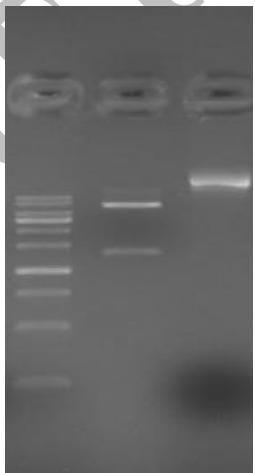


| CERTIFICATE OF ANALYSIS | | | |
|--|--|-------------|--------------|
| Vector Name | pRK442 | Catalog No. | V003722 |
| Project/Lot No. | CN33151-1/E58977 | Size | 9,816 bp |
| Quantity | 100ug | Resistance | Tetracycline |
| QC Results | | | |
| Test Items | Specifications | Results | |
| Appearance | Clear, no visible particles | Pass | |
| Concentration | On request, default 1ug/uL | 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 | | | |
| | M | 1 | 2 |
|  <p>1kb ladder</p> <p>bp ng/5µl</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>5000 100</p> <p>4000 40</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p> |  <p>Lane1: Plasmid DNA</p> <p>Lane2: Plasmid digested by Sall</p> <p>Lane M: DNA Marker</p> | | |



Certified by: Chou Fang

Date: Apr/24/2023

Valid until: Apr/23/2025