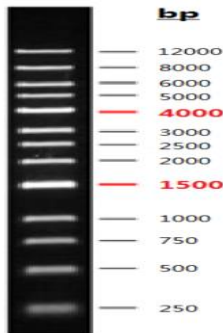
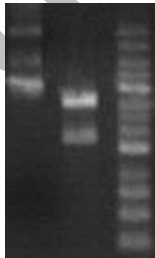


| CERTIFICATE OF ANALYSIS | | | |
|---|---|------------------|--|
| Vector Name | pGEX-5X-2 | Catalog No. | V010914 |
| Project/Lot No. | G0294429-1/MF86140 | Strain | Top10 |
| Quantity | 100 ug | Resistance | Amp |
| QC Results | | | |
| Test Items | Specifications | Results | |
| Insert Sequence | Insert sequence results consistent with target | Pass | |
| Vector Sequence | Flanking sequence consistent with expected | Pass | |
| ORF Across Junction | Correct and consistent with target | N/A | |
| Restriction Digest | Expected fragment sizes observed | Pass | |
| PCR Amplification | Correct without non - specific bands | Pass | |
| DNA Quantity/Quality | Actual yield (by A 260) | 5ug/5ug | |
| | Concentration (n/a if lyophilized) | N/A | |
| | Purity (A 260/A280 = 1.8 - 2.0) | Pass | |
| | # of Tubes | 2 | |
| | Matrix | TE (lyophilized) | |
| Endotoxin Test | Verified, <0.1 EU/μg (Endo-Free Preps Only) | N/A | |
| Appearance | Clear, no visible particles | Pass | |
| Label | Correct and white | Pass | |
| Comments | - | - | |
| Restriction Digestion Map | | | |
| | 1 | 2 | M |
|  <p>1Kb DNA Marker</p> |  | | <p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with EcoRV-BamHI</p> <p>Lane M: DNA Marker</p> |

Certified by: Chou Fang

Date: Nov/02/2023

Valid until: Nov/02/2025

