

## Certificate of Analysis

### Product Information

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Product Name: EZ Cap™ Firefly Luciferase mRNA | Report No.: R202504004   |
| Cat. No.: R1018                               | Batch No.: 45            |
| Manufacturing Date: Apr 22, 2025              | Expiration Date: 2 years |
| Quality Release Date: Apr 23, 2025            | Storage: -40 °C or below |

### Molecule Data

|              |                             |
|--------------|-----------------------------|
| Modification | EZ Cap™, poly A             |
| Buffer       | 1 mM Sodium Citrate, pH 6.4 |

### Analytical Data

| Test Items           | Quality Specification and Method              | Result           |
|----------------------|-----------------------------------------------|------------------|
| Appearance           | Colorless liquid                              | Colorless liquid |
| pH                   | 6.0–7.0                                       | 6.6              |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 100%             |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.2 mg/ml        |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 2.11             |
| Bacterial endotoxins | < 10 EU/mg ( Limulus Amebocyte Lysate Assay ) | <10 EU/mg        |
| Conclusion           | Complies with the given specifications        |                  |

Reporter/date: Jackie Wang / Apr 23, 2025      Reviewer/date: Eudora Wei / Apr 23, 2025