

## Certificate of Analysis

|   |   |                           |              |
|---|---|---------------------------|--------------|
| <b>Product Name</b>                                     | IGF1-LR3 phosphate                                      | <b>Batch No.</b>          | M24X04257    |
| <b>CAS No.</b>  | 946870-92-4   | <b>MFG. Date</b>          | Apr 25, 2024 |
| <b>CAT No.</b>  | P100117   | <b>Retest Date</b>        | Apr 24, 2026 |
| <b>Items</b>  | <b>Specification</b>                                    | <b>Results</b>            |              |
| <b>Appearance</b>                                       | White powder  | Conforms                  |              |
| <b>Molecular Weight</b>                                 | 9111±2Da  | 9112Da                    |              |
| <b>Purity (SDS-PAGE)</b>                                | > 95%   | 98.5%                     |              |
| <b>Purity (RP-HPLC)</b>                                 | > 95%   | 95.52%                    |              |
| <b>Bioactivity (Murine BALB/C3T3 Cells)</b>             | N/A   | 2.0×10 <sup>5</sup> IU/ml |              |
| <b>Proliferation assay Concentration (Lowry Method)</b> | N/A   | 1.0 mg/ml                 |              |
| <b>Specific Activity</b>                                | >1.0×10 <sup>5</sup> IU/mg                              | 2.0×10 <sup>5</sup> IU/mg |              |
| <b>Bacterial Endotoxin</b>                              | < 0.1ng/μg  | < 0.1ng/μg                |              |
| <b>First Five N-terminal Amino acids</b>                | Met-Phe-Pro-Ala-Met                                     | Met-Phe-Pro-Ala-Met       |              |
| <b>Protein content</b>                                  | Report  | 21.10%                    |              |
| <b>Conclusion</b>                                       | Corresponds.  |                           |              |
| <b>Storage Condition</b>                                | Short-term storage: 2-8 °C<br>Long-term storage: -20 °C |                           |              |

**QC:**

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