

Version : 04  
Update : 05/08/2023

## CERTIFICATE OF ANALYSIS

### Product Information

|                      |  |
|----------------------|--|
| Product Name         | IGF-I, Human   |
| Cat. No.             | Z03017   |
| Lot No.              | E2312002   |
| Size:                | Specified on product label   |
| Formulation:         | Lyophilized after extensive dialysis against PBS.  |
| Reconstitution:      | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O up to 100 µg/ml.   |
| Stability & Storage: | Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles. |

### Quality Control

| Test Items          | Specifications   | Results |
|---------------------|--|---------|
| Appearance          | White Freeze-dried Powder  | Pass    |
| Purity              | > 95% as analyzed by SDS-PAGE<br>> 95% as analyzed by HPLC   | Pass    |
| Endotoxin Level     | < 0.2 EU/µg of protein by gel clotting method  | Pass    |
| Biological Activity | ED <sub>50</sub> < 5.0 ng/ml, measured by a cell proliferation assay using FDC-P1 cells, corresponding to a specific activity of > 2.0 × 10 <sup>5</sup> units/mg. | Pass    |

Date: 12/20/2023

Approved by: *Dandan Yao*

Quality Department

**For research use only. Not intended for human and animal therapeutic or diagnostic use.**

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China