

Version : 05
Update : 09/22/2023

CERTIFICATE OF ANALYSIS

Product Information

| | |
|----------------------|--|
| Product Name: | IL-21, Human |
| Cat. No.: | Z02715 |
| Lot No.: | M2309015 |
| Size: | Specified on product label |
| Formulation: | Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4. |
| 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 sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. |
| Stability & Storage: | Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles. |

Quality Control

| Test Items | Specifications | Results |
|---------------------|--|---------|
| Appearance | White Freeze-dried Powder | Pass |
| Purity | > 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC | Pass |
| Endotoxin Level | < 1 EU/µg of protein by LAL method | Pass |
| Biological Activity | Fully biologically active when compared to standard. Measured by its ability to enhance IFN-gamma secretion in NK-92 human natural killer lymphoma cells. The ED ₅₀ for this effect is ≤ 2 ng/mL. The specific activity of recombinant human IL-21 > 5.0 × 10 ⁵ IU/mg. | Pass |

Date: 01/10/2024

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