

Version :04
Update : 05/08/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name	TNF- α , His, Human
Cat. No.	Z02685
Lot No.	E2303002
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 ₂ O up to 100 μ g/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	Pass
Endotoxin Level	< 1 EU/ μ g of protein by gel clotting method	Pass
Biological Activity	ED ₅₀ < 0.13 ng/ml, measured in a cytotoxicity assay using L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D, corresponding to a specific activity of > 7.69 \times 10 ⁶ units/mg.	Pass

Date: 05/24/2023

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

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