

Version :04
Update : 05/08/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	GM-CSF, Human (P. pastoris-expressed)
Cat. No.:	Z02190
Lot No.:	E2101008-A
Size:	Specified on product label
Formulation:	Lyophilized from a 0.2 μ m filtered solution in 10 mM Tris-HCl, 4% Mannitol, 1% Sucrose, pH 8.5.
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 distilled water up to 100 μ g/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	> 95% as analyzed by SDS-PAGE > 95% as analyzed by RP-HPLC	Pass
Endotoxin Level	< 1 EU/ μ g of protein by LAL method	Pass
Biological Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 6-30 pg/mL.	Pass

Date: 05/23/2023

Approved by: 

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