

Version 1.1

Update: 12/27/2019

# CERTIFICATE OF ANALYSIS

### **Product Information**

Product Name: GM-CSF, Human

Cat. No.: Z02695

Lot No.: E2102003

Storage Condition: Lyophilized recombinant human Granulocyte

Macrophage Colony Stimulating Factor (rhGM-CSF) remains stable up to 12 months at lower than -70°C from date of receipt. Upon reconstitution, rhGM-CSF should be stable up to 4 weeks at 4°C or up to 6

months at -20°C.

# **Quality Results**

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity(ED <sub>50</sub> )	< 0.5 ng/mL	Conformed
Molecular Weight	14 kDa	Conformed
Bacterial Endotoxin	< 1 EU/µg	Conformed

### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188

Certified by: Dandan Yao Date: 03/09/2021

### **Quality Department**

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.