

Version 02

Update: 07/05/2021

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	GM-CSF, RhesusMacaque
Cat. No.:	Z02761
Lot No.:	M2111018
Storage Condition:	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.

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### Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	>98%	Conformed
HPLC Purity	>98%	Conformed
Molecular Weight	14.4±1.4 KDa	Conformed
Biological Activity	> 1.0 × 10 <sup>7</sup> IU/mg	Conformed
Bacterial Endotoxin	<1.0 EU/μg	Conformed

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### 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:** 11/23/2021

### Quality Department

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