



**CERTIFICATE OF ANALYSIS**  
**Macrophage CSF**  
**Macrophage Colony Stimulating Factor**  
**Mouse Recombinant (Powder)**  
**(Catalog Number 300-332P)**

Lot Number: G423033

Date Received: \_\_\_\_\_

Storage Temperature:  $\leq -10^{\circ}\text{C}$

Product Expiry\*: \_\_\_\_\_

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

\*Expiration Date is one year from the date of receipt when stored at  $-20$  to  $-80^{\circ}\text{C}$

Test	Methodology	Analysis
Biological Testing		
Endotoxin	USP <85>/EP 2.6.14	<0.05 EU/ $\mu\text{g}$
Biological Testing		
Purity	Coomassie Staining	>95%
Biological Activity ED <sub>50</sub>	NFS-60 cell proliferation assay	2.1 ng/mL

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Korrina Nicewonger  
Name

QC Associate II  
Title

18MAY2023  
Date