



## CERTIFICATE OF ANALYSIS

### Recombinant Human IL-4

### (Interleukin 4)

### Powder

### (Catalog Number 300-154P)

Lot Number: G54H40E

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	Kinetic LAL	$<0.05$ EUs/ $\mu\text{g}$
Biological Testing Purity	Reducing and Non-reducing SDS- PAGE	$>95\%$
Biological Activity ED <sub>50</sub>	TF-1 cell proliferation	$5.0 \times 10^6$ units/mg

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.

VANESSA YOUNG  
Name

QA ASSOCIATE II  
Title

12 DEC 2022  
Date