



**CERTIFICATE OF ANALYSIS**  
**Transforming Growth Factor  $\beta$ 1**  
**TGF- $\beta$ 1**  
**Human Recombinant Powder**  
**(Catalog Number 300-191P)**

Lot Number: G423163

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
<b>Biological Testing</b>		
Endotoxin	USP <85>/ EP 2.6.14	<0.005 EU/ $\mu\text{g}$
<b>Biological Testing</b>		
Purity	Coomassie Staining	>95%
Biological Activity ED <sub>50</sub>	Inhibition of IL-4-induced HT-2 cell proliferation assay	0.157 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

08NOV2023

Date