

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: TNF- $\alpha$ , His, Mouse

Cat. No.: Z02684

Lot No.: P50041808

Size: 100  $\mu$ g/vial

Storage Condition: Lyophilized recombinant mouse Tumor Necrosis Factor-alpha (rmTNF-sIpha) remains stable up to 12 months at lower than -70° C from date of receipt. Upon reconstitution, rmTNF-alpha should be stable up to 4 week at 4°C or up to 6 months at -20°C.

### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE )	> 95%	Conformed
Biological Activity (ED <sub>50</sub> )	<0.05ng/ml	Conformed
Molecular Weight	18.3 kDa	Conformed
Bacterial Endotoxin	< 1 EU/ $\mu$ g	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: Joe Wang Date: 04/01/2019  
Protein Products Department