

CERTIFICATE OF ANALYSIS

Product Information

Product Name: TNF- α , Human

Cat. No.: Z02682-10, Z02682-50, Z02682-1

Lot No.: P50081511

Size: 10 μ g/vial; 50 μ g/vial; 1 mg/vial

Storage Condition: Lyophilized recombinant Human TNF- α remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, recombinant Human TNF- α remains stable up to 2 weeks at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) can be added. Avoid repeated freeze-thaw cycles.

Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE & HPLC)	> 95%	Conformed
Biological Activity (EC ₅₀)	< 0.08ng/ml	12 pg/mL
Molecular Weight	17.4 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/ μ 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: 05/25/2016
Protein Products Department