

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Tumor Necrosis Factor- α (TNF- α), Human
Cat. No.:	Z01001-10; Z01001-50; Z01001-1
Lot No.:	P50031507
Size:	10 μ g/vial; 50 μ g/vial; 1mg/vial
Storage Condition:	Lyophilized recombinant Human Tumor Necrosis Factor- α (TNF- α), remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human TNF- α should be stable up to 1 week at 4°C or up to 3 months at -20°C.

Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE & HPLC)	> 98%	Conformed
Biological Activity (ED ₅₀)	< 30 pg/mL	12 pg/mL
Molecular Weight	17.3 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: 12/08/2015
Protein Products Department