

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-02-11 16:49:21
Date of Next Testing:	2027-02-11 16:49:21
Product Name:	Recombinant Human TNF- α Protein
Lot #:	ZJ24F0708286
SKU #:	rp186554
Version:	1
Analysis #:	031083
Source:	Recombinant
Specifications & Purity:	Carrier Free, Bioactive, High performance, ActiBioPure™, $\geq 95\%$ (SDS-PAGE)
Concentration:	1.42mg/mL
Formulation:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute at 1.0 mg/mL in sterile distilled water. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.
Storage Conditions:	Store at -20°C , Avoid repeated freezing and thawing
Analysis:	031083

Parameter	Limit Value	Result
Molecular Weight	11.3-16.9(kD)	15.16000 kD
Purity(SDS-PAGE)	95-100(%)	97.00000 %
Activity(ED50)	0-30(pg/ml)	29.30000 pg/ml
Appearance(rp186554)	White to off-white powder	White to off-white powder
Endotoxin Level <1 EU/ μg	Conform	Conform



Sophia Cheng
Quality Assurance