

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-09-06 10:50:42
Date of Next Testing:	2027-09-06 10:50:42
Product Name:	Recombinant Human TNF- α Protein
Lot #:	ZJ25F1129667
SKU #:	rp228983
Version:	1
Analysis #:	041859
Source:	Recombinant
Specifications & Purity:	Animal Free, Carrier Free, Bioactive, High performance, ActiBioPure™, PBS Only, $\geq 95\%$ (SDS-PAGE), See COA
Concentration:	
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 freeze-thaw cycles
Analysis:	041859

Parameter	Limit Value	Result
Molecular Weight	14.6-22.0(kD)	18.00000 kD
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Activity(ED50)	0-0.1(ng/ml)	0.08000 ng/ml
Appearance(rp228983)	White to off-white powder	White to off-white powder
Endotoxin Level <1 EU/ μg	Conform	Conform



Sophia Cheng
Quality Assurance