

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-21 16:13:08
 Date of Next Testing: 2027-05-21 16:13:08

 Product Name: Recombinant Rat TNF-alpha Protein
 Lot #: ZJ24F1011706
 SKU #: rp183596
 Version: 1
 Analysis #: 035880
 Source:
 Specifications & Purity: Carrier Free, Bioactive, High performance, ActiBioPure™, PBS Only, ≥95%(SDS-PAGE)

 Concentration:
 Formulation: Lyophilized
 Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute at 0.5 mg/mL in sterile distilled water. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

 Storage Conditions: Store at -20°C, Avoid repeated freeze-thaw cycles
 Analysis: 035880

Parameter	Limit Value	Result
Molecular Weight	11.6-17.4(kD)	14.20000 kD
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Activity(ED50)	0-10(pg/ml)	2.72000 pg/ml
Appearance(rp183596)	White to off-white powder	White to off-white powder
Endotoxin Level <1 EU/μg	Conform	Conform



Sophia Cheng
 Quality Assurance