

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-06-22 10:22:06
Date of Next Testing:	2028-06-21 10:22:06
Product Name:	Recombinant Human Serpin A1/alpha-1-Antitrypsin Protein
Lot #:	ZJ24F0709123
SKU #:	rp142729
Version:	1
Analysis #:	037863
Source:	Recombinant
Specifications & Purity:	Animal Free, Carrier Free, Bioactive, Low Endotoxin, ActiBioPure™, PBS Only, ≥90% (SDS-PAGE)
Concentration:	
Formulation:	Lyophilized
Reconstitution:	Reconstitute in sterile PBS to a concentration of 100-200 µg/ml. Further dilutions should be made in appropriate buffered solutions. After reconstitution, store at 4°C short term (2-7 days), store at -20°C long term.
Storage Conditions:	Store at -20°C, Avoid repeated freeze-thaw cycles
Analysis:	037863

Parameter	Limit Value	Result
Molecular Weight	42.0-51.4(kD)	47.00000 kD
Purity(SDS-PAGE)	90-100(%)	91.00000 %
Enzyme Activity(active AAT/mg total protein)	≥0.7(mg)	1.15000 mg
Appearance(rp142729)	White lyophilized powder	White lyophilized powder
Endotoxin Level <1 EU/mg	Conform	Conform



Sophia Cheng
Quality Assurance