

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-03-12 16:06:49
Date of Next Testing:	2026-03-12 16:06:49
Product Name:	Recombinant Human GM-CSF Protein
Lot #:	ZJ25F0318997
SKU #:	rp186551
Version:	3
Analysis #:	014922
Source:	Recombinant
Specifications & Purity:	> 95% SDS-PAGE
Concentration:	1.1mg/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:	014922

Parameter	Limit Value	Result
Molecular Weight	13.2-31.0(kD)	23.40000 kD
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Activity(ED50)	< 100(pg/ml)	41.00000 pg/ml
Appearance(rp186551)	White to off-white powder	White to off-white powder
Endotoxin Level <1 EU/ μg	Conform	Conform



Sophia Cheng
Quality Assurance