

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-04-25 11:49:19
Date of Next Testing:	2025-04-25 11:49:19
Product Name:	Recombinant Rat GM-CSF Protein
SKU #:	rp155067
Lot #:	ZJ23F0600299
Source:	Recombinant
Specifications & Purity:	Animal Free, > 98% (SDS-PAGE, HPLC), Active, E. coli, No tag, 18-144 aa
Concentration:	
Formulation:	Lyophilized
Reconstitution:	1. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. 2. Reconstitute in a sterile aqueous buffer to an appropriate concentration. 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:	004429

Parameter	Limit Value	Result
Molecular Weight	13.0-15.9(kD)	13.30000 kD
Purity(SDS-PAGE)	98-100(%)	100.00000 %
Activity(ED50)	0-0.01(ng/ml)	0.00200 ng/ml
Appearance(rp155067)	White lyophilized powder	White lyophilized powder
Endotoxin Level <0.01 EU/ μg	Conform	Conform



 Sophia Cheng
 Quality Assurance